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GRAIN CROP QUALITY

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1970 CROPS

3002

U.S. CONSUMER AND MARKETING SERVICE, • GRAIN DIVISION, WASHINGTON, D.C.

C+MS
44
(1970)
Pub. 1971

C&MS 44 (1970)
March 1971

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CARLOT, TRUCKLOT, AND SUBMITTED SAMPLE INSPECTIONS OF GRAIN COVERED BY THIS REPORT WERE GRADED ACCORDING TO THE OFFICIAL GRAIN STANDARDS OF THE UNITED STATES. COMPLETE DEFINITIONS AND GRADE REQUIREMENTS MAY BE FOUND IN OFFICIAL GRAIN STANDARDS OF THE UNITED STATES, REVISED FEBRUARY 1970.

INTRODUCTION

The crop quality information included in this publication is a tabulation of grade and grade factor data obtained from approximately 520,000 carlot, trucklot, and submitted sample inspections of grain at selected markets during and immediately following harvest. The inspection certificates tabulated were obtained by systematically sampling all receipt inspections and all submitted sample inspections. The sampling of certificates started with the first certificate issued on the new crop harvest in the designated markets and continued until four (4) weeks after harvest was concluded, or a total of nine (9) weeks (whichever was first), for each kind of grain. The systematic sampling plan was developed to estimate within a 95 percent level of reliability the quality of each kind of grain inspected for the country as a whole. The purpose of selecting certain markets was to obtain a representative measure of grade and grade factor information as near as practicable to the first level of marketing.

Submitted sample inspections from some points were considered the type of sampling most representative of the quality of grain produced in that area. The sampling procedure was designed to be representative of the qualities of new crop grain and not of that moving by car or truck separately. Therefore, car, truck, and submitted sample were combined for the purpose of this report.

The tables report the total number of inspections at the selected markets from which the sample was obtained, except beans and peas. The dry edible bean and pea inspections report the percentage distribution of the number of inspections by grade and specified classes. The information included is a tabulation of 2,014 bean inspections and 4,976 pea inspections.

The emphasis in this publication is placed on providing as much information as possible on frequency distributions of grade factors and grades for each kind of grain and each class of wheat. Therefore, the results have been summarized by States and for the country as a whole.

A considerable portion of the grain produced is consumed on farms where grown, especially corn and oats. Some of the grain sold off farms reaches its ultimate destination without being officially inspected. Additionally, some of the grain which is inspected moves across State lines before arriving at the point of inspection. The certificates tabulated provided information both on grade and grade factors. Other inspections for factor only were not included in this survey.

Data on wheat crop quality by counties were compiled in Colorado, Kansas, Nebraska, Oklahoma, and South Dakota, under cooperative projects financed jointly by the Matching Fund Program, Consumer and Marketing Service and the respective State Departments of Agriculture. Technical guidance and coordination of the work in these States was provided by the Grain Division, Consumer and Marketing Service.

Data on wheat crop quality by counties were compiled in Idaho, Oregon, and Washington under a cooperative project with Western Wheat Associates, the State Departments of Agriculture in the three states and published by the Market News Office of the Grain Division, Consumer and Marketing Service, located in Portland, Oregon.

Data from these surveys were included in this publication because of their effect on the state and national situations. County data were published by the State Departments of Agriculture or the Consumer and Marketing Service's Grain Market News office in the States as indicated above.

BARLEY
INSPECTED RECEIPTS, DESIGNATED STATES,
2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS

STATES	GRADE					SPECIAL GRADES				
	NO. 1 NUMBER	NO. 2 NUMBER	NO. 3 NUMBER	NO. 4 NUMBER	NO. 5 NUMBER	SAMPLE GRADE NUMBER	TOTAL NUMBER	TOUGH NUMBER	WEEV- ILY NUMBER	TWO ROWED NUMBER
COLORADO	33	5	5	2	0	2	45	0	0	0
MINNESOTA	807	339	450	120	26	96	1838	18	140	126
MONTANA	1388	113	14	8	0	5	1526	11	0	485
NORTH DAKOTA	1530	521	287	65	27	42	2471	18	5	57
OKLAHOMA	17	192	1002	257	21	27	1515	116	3	0
SOUTH DAKOTA	23	14	6	5	0	2	48	0	11	0
VIRGINIA	32	54	116	56	2	8	266	23	0	0
WISCONSIN	308	231	252	107	95	44	1035	45	59	68
ALL STATES	4136	1467	2130	617	170	224	8742	230	216	735
% 1970 CROP YEAR	47.3	16.8	24.4	7.1	1.9	2.6	100.0	2.6	2.5	8.4
% 1969 CROP YEAR	36.5	31.0	24.2	3.9	1.9	2.5	100.0	4.6	0.7	14.2
% 1968 CROP YEAR	55.7	19.8	13.0	4.3	2.7	4.5	100.0	4.7	0.3	27.3
% 1967 CROP YEAR	69.6	11.3	7.4	3.6	2.3	5.9	100.0	3.3	0.5	24.2

MALTING BARLEY
INSPECTED RECEIPTS, DESIGNATED STATES,
2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS

STATES	GRADE			SPECIAL GRADES AND SUBCLASSES						
	NO. 1 NUMBER	NO. 2 NUMBER	NO. 3 NUMBER	TOTAL NUMBER	TOUGH NUMBER	CHOICE MALTING NUMBER	MALTING NUMBER	2 ROWED MALTING NUMBER	BLUE MALTING NUMBER	
MINNESOTA	640	1290	956	2886	20	196	2362	126	202	
MONTANA	1124	264	6	1394	4	440	0	954	0	
NORTH DAKOTA	632	2114	1736	4482	24	30	4186	4	262	
SOUTH DAKOTA	12	96	86	194	0	0	194	0	0	
WISCONSIN	384	342	298	1024	42	248	742	14	20	
ALL STATES	2792	4106	3082	9980	90	914	7484	1098	484	
% 1970 CROP YEAR	28.0	41.1	30.9	100.0	0.9	9.2	75.0	11.0	4.8	
% 1969 CROP YEAR	25.6	44.5	29.9	100.0	0.4	8.0	76.7	11.2	4.1	
% 1968 CROP YEAR	27.3	44.4	28.3	100.0	0.8	3.6	84.7	8.4	3.2	
% 1967 CROP YEAR	22.8	45.2	32.0	100.0	1.4	1.7	88.1	7.4	2.8	

WESTERN BARLEY
INSPECTED RECEIPTS, DESIGNATED STATES,
2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS

STATES	GRADE					SPECIAL GRADES AND SUBCLASSES								
	NO. 1 NUMBER	NO. 2 NUMBER	NO. 3 NUMBER	NO. 4 NUMBER	NO. 5 NUMBER	SAMPLE GRADE NUMBER	TOTAL NUMBER	TOUGH NUMBER	TWO ROWED NUMBER	WEEV- ILY NUMBER	BRIGHT NUMBER	WEST. BARLEY NUMBER	CHOICE NUMBER	MALT- ING NUMBER
CALIFORNIA	1884	447	138	42	6	111	2628	51	48	3	0	2577	0	3
IDAHO	378	231	24	9	18	6	666	15	210	0	0	411	15	30
OREGON	1098	294	108	21	9	33	1563	3	486	3	0	1029	18	30
UTAH	2337	1128	252	111	45	33	3906	153	810	3	0	2229	375	492
WASHINGTON	3111	903	264	81	48	45	4452	9	384	3	0	3429	225	414
ALL STATES	8808	3003	786	264	126	228	13215	231	1938	12	0	9675	633	969
% 1970 CROP YEAR	66.7	22.7	5.9	2.0	1.0	1.7	100.0	1.7	14.7	0.1	0.0	73.2	4.8	7.3
% 1969 CROP YEAR	71.5	19.6	4.0	2.2	1.1	1.5	100.0	1.3	14.8	0.3	0.0	66.1	6.9	12.3
% 1968 CROP YEAR	69.0	20.1	5.0	1.9	1.1	2.9	100.0	2.6	25.4	0.4	0.0	68.3	1.5	4.8
% 1967 CROP YEAR	65.2	21.7	5.5	2.7	1.4	3.5	100.0	2.0	22.9	0.0	0.0	70.6	1.8	4.8

BARLEY THE QUALITY OF THE 1970 CROP SHOWED AN INCREASE IN U.S. NO. 1 GRADE, 47 PERCENT AS COMPARED WITH 36 PERCENT LAST YEAR, AND AN INCREASE IN U.S. NO. 4 GRADE AT 7 PERCENT COMPARED WITH 4 PERCENT A YEAR AGO. TEST WEIGHT WAS HIGHER, BUT BOTH THIN AND BROKEN KERNELS WERE ALSO HIGHER.

MALTING BARLEY THERE WAS VERY LITTLE CHANGE IN GRADE DISTRIBUTION, HOWEVER, MALTING BARLEY INSPECTIONS ACCOUNTED FOR ONLY 53 PERCENT OF THE INSPECTIONS OF ALL BARLEY THIS YEAR AS COMPARED TO 63 PERCENT LAST YEAR.

WESTERN BARLEY THE QUALITY OF WESTERN BARLEY SHOWED A DECLINE IN U.S. NO. 1 GRADE WITH AN INCREASE IN U.S. NO. 2 AND 3 GRADES. TEST WEIGHT AVERAGED BELOW LAST YEAR BUT WAS ABOVE 1967 AND 1968.

BARLEY
RANGE, AVERAGE PERCENTAGE CONTENT AND TOTAL NUMBER OF RECEIPTS FOR SPECIFIC GRADE FACTORS
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP AND 1969 CROP AVERAGE
ALL INSPECTIONS
ALL STATES

QUALITY FACTOR	GRADE										ALL GRADES	
	NO. 1		NO. 2		NO. 3		NO. 4		NO. 5		SAMPLE GRADE	
	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.
DOCKAGE												
HIGH		15.5		7.5		11.5		13.5		17.5		8.5
LOW		0.0		0.0		0.0		0.0		0.0		0.0
AVERAGE	1970	2291	1.6	9.66	1.8	7.62	2.2	2.33	2.5	125	162	1.9
	1969	855	1.1	521	1.5	354	1.7	69	2.2	87	93	1.7
TEST WEIGHT *												
HIGH		55.7		55.2		55.7		55.2		54.2		54.2
LOW		47.2		45.2		43.2		40.2		37.7		35.2
AVERAGE	1970	4136	50.3	1467	48.0	2130	46.8	617	46.2	170	224	46.9
	1969	1928	49.8	1637	47.7	1275	46.6	207	44.2	101	132	46.3
	1968	1776	49.5	633	46.9	416	46.0	137	43.7	86	144	46.9
	1967	3140	49.8	510	47.6	333	46.3	161	43.5	102	264	46.2
MOISTURE												
HIGH		15.5		16.0		16.0		16.0		15.4		23.3
LOW		8.0		8.8		9.3		10.0		9.4		9.2
AVERAGE	1970	3528	12.2	1391	12.8	2124	12.7	609	12.8	168	224	13.7
	1969	1820	11.7	1541	13.1	1271	13.1	201	13.1	101	131	14.5
	1968	1767	12.2	620	12.9	410	13.0	131	13.6	83	143	13.6
	1967	3123	11.6	498	11.7	326	12.3	153	12.9	102	264	14.6
TOTAL DAMAGE												
HIGH		2.0		4.0		6.0		8.0		10.0		26.0
LOW		0.5		0.5		0.4		0.5		2.0		0.4
AVERAGE	1970	35	0.9	80	2.0	153	2.4	92	3.7	30	21	12.2
	1969	21	1.0	119	1.3	165	1.8	74	2.1	8	21	8.9
	1968	0	0.0	12	2.1	27	4.0	12	5.8	6	27	10.4
	1967	24	0.4	18	1.0	21	0.9	14	1.9	3	11	5.5
FOREIGN MATERIAL												
HIGH		0.7		1.8		2.4		4.0		2.0		13.6
LOW		0.1		0.1		0.1		0.1		1.1		0.3
AVERAGE	1970	32	0.3	51	0.4	113	0.5	57	0.8	3	11	3.8
	1969	18	0.2	102	0.3	125	0.3	48	0.4	5	6	0.3
SKINNED AND BROKEN												
HIGH		24.5		20.4		24.7		9.8		3.2		20.0
LOW		0.1		1.0		0.5		2.9		3.2		0.7
AVERAGE	1970	1925	8.1	290	9.2	62	8.4	17	5.0	2	17	7.7
	1969	1350	7.7	458	7.6	192	6.9	23	6.3	2	8	5.6
THIN												
HIGH		10.0		15.0		25.0		35.0		75.0		90.0
LOW		0.0		1.1		0.8		2.0		0.4		1.5
AVERAGE	1970	3413	5.0	1322	9.8	2007	18.0	558	22.6	165	213	13.2
	1969	1310	5.3	1445	9.2	1157	14.6	125	16.5	95	119	8.6
SOUND												
HIGH		99.8		99.8		99.8		99.8		99.8		99.2
LOW		97.0		94.0		90.0		80.0		73.0		67.0
AVERAGE	1970	387	98.1	690	96.5	1353	96.7	417	94.8	126	69	93.7
	1969	159	98.0	783	97.2	732	96.8	80	89.6	83	14	85.9
BROKEN KERNELS												
HIGH		4.5		10.0		14.7		3.3		20.0		33.0
LOW		4.4		4.0		10.6		3.3		1.5		33.0
AVERAGE	1970	5	4.4	59	6.3	5	12.7	2	3.3	6	2	33.0
	1969	0	0.0	77	6.8	0	0.0	0	0.0	0	0	0.0

* TEST WEIGHT IN POUNDS.

MALTING BARLEY
 RANGE, AVERAGE PERCENTAGE CONTENT AND TOTAL NUMBER OF RECEIPTS FOR SPECIFIC GRADE FACTORS
 BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP AND 1969 CROP AVERAGE
 ALL INSPECTIONS
 ALL STATES

QUALITY FACTOR	GRADE			ALL GRADES		
	NO. 1		NO. 2		NO. 3	
	NO.	PCT.	NO.	PCT.	NO.	PCT.
DOCKAGE						
HIGH		5.5		18.5		13.5
LOW		0.0		0.0		0.0
AVERAGE		744	2524	1.8	2196	2.0
	1970	534	2014	0.7	1702	0.8
	1969	1725	3879	0.4	2451	0.4
	1968	1854	4233	0.3	3177	0.4
	1967					
TEST WEIGHT *						
HIGH		55.7		55.2		54.7
LOW		47.2		45.2		43.2
AVERAGE		2792	4106	48.8	3082	48.4
	1970	2230	3868	49.5	2602	49.0
	1969	2679	4359	48.9	2772	48.8
	1968	2544	5088	49.7	3603	49.6
	1967					
MOISTURE						
HIGH		15.5		15.9		15.7
LOW		8.1		8.9		10.1
AVERAGE		2718	4094	12.1	3080	12.2
	1970	2216	3864	11.8	2602	12.0
	1969	2679	4359	12.5	2769	12.4
	1968	2574	5088	12.3	3603	12.1
	1967					
TOTAL DAMAGE						
HIGH		0.0		1.8		0.0
LOW		0.0		1.7		0.0
AVERAGE		0	6	1.7	0	0.0
	1970	0	0	0.0	0	0.0
	1969	0	0	0.0	3	0.6
	1968	0	0	0.0	24	0.6
	1967	6	27	0.4		
SKINNED AND BROKEN						
HIGH		7.0		10.0		10.0
LOW		0.0		0.0		0.0
AVERAGE		2536	3928	4.9	2918	6.5
	1970	1986	3774	5.1	2562	6.9
	1969	2115	4176	5.0	2679	6.9
	1968	2091	4977	5.1	3552	7.0
	1967					
THIN						
HIGH		7.0		10.0		15.0
LOW		0.3		0.0		0.0
AVERAGE		2788	4104	6.0	3082	7.5
	1970	1704	3786	5.5	2594	5.8
	1969	2094	4317	5.0	2766	5.5
	1968	2226	4986	4.2	3579	4.5
	1967					
SOUND						
HIGH		99.0		99.5		99.8
LOW		97.2		94.0		90.0
AVERAGE		16	208	97.7	264	97.7
	1970	0	50	96.6	48	95.5
	1969	99	114	98.0	111	97.6
	1968	27	120	97.8	114	98.1
	1967				261	98.0

* TEST WEIGHT IN POUNDS.

WESTERN BARLEY
RANGE, AVERAGE PERCENTAGE CONTENT AND TOTAL NUMBER OF RECEIPTS FOR SPECIFIC GRADE FACTORS
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP AND 1969 CROP AVERAGE
ALL INSPECTIONS
ALL STATES

QUALITY FACTOR	GRADE										ALL GRADES	
	NO. 1		NO. 2		NO. 3		NO. 4		NO. 5		SAMPLE GRADE	
	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.
DOCKAGE												
HIGH		16.5		11.5		15.5		18.5		9.5		16.5
LOW		1.5		1.5		1.5		1.5		1.5		1.5
AVERAGE	1970	1548	906	2.1	324	2.5	135	3.2	60	3.0	150	3.8
	1969	1695	687	2.3	222	3.4	120	2.8	57	2.2	129	4.3
TEST WEIGHT *												
HIGH		59.5		56.5		55.5		54.5		53.5		52.5
LOW		35.5		35.5		38.5		41.5		36.5		35.5
AVERAGE	1970	8805	3000	49.3	783	48.3	264	48.8	126	48.2	225	46.0
	1969	8898	2439	50.4	498	49.1	279	48.9	132	48.7	192	46.0
	1968	9225	2670	48.1	675	47.0	252	46.4	144	46.2	384	44.8
	1967	8814	2925	47.7	750	47.0	366	47.6	186	47.6	468	44.1
MOISTURE												
HIGH		14.8		14.8		14.9		14.3		14.4		22.2
LOW		8.0		7.8		8.0		8.2		9.6		8.0
AVERAGE	1970	3267	1392	10.7	285	10.6	123	10.6	63	11.4	78	14.6
	1969	2166	786	10.9	141	11.0	69	10.4	57	11.1	48	14.3
	1968	1968	1017	12.0	267	12.2	105	12.1	48	12.2	261	13.4
	1967	2382	948	11.1	201	11.0	123	11.0	63	11.1	237	13.3
WILD OATS												
HIGH		1.0		2.0		3.0		4.5		10.0		14.0
LOW		0.6		1.0		0.4		1.7		4.7		0.4
AVERAGE	1970	24	321	1.6	117	2.5	66	3.5	27	7.4	9	12.7
	1969	15	330	1.6	93	2.6	108	3.9	48	6.7	21	12.2
	1968	21	285	1.6	96	2.6	69	3.9	18	6.9	18	15.8
	1967	21	426	1.5	168	2.6	102	3.9	60	6.8	6	11.7
FOREIGN MATERIAL												
HIGH		0.5		1.0		6.0		3.0		4.0		8.6
LOW		0.5		0.6		0.2		2.2		3.4		0.3
AVERAGE	1970	3	186	0.8	111	1.8	27	2.6	15	3.6	24	4.9
	1969	6	252	0.8	114	1.4	27	2.3	6	1.9	24	6.7
SKINNED AND BROKEN												
HIGH		35.0		27.4		40.0		24.5		9.3		10.3
LOW		0.2		0.0		1.0		0.7		2.0		3.2
AVERAGE	1970	2904	855	7.6	162	9.0	57	7.7	9	5.8	12	6.9
	1969	3624	975	6.8	99	8.5	63	5.8	27	9.1	9	9.9
THIN												
HIGH		54.0		42.0		31.0		40.0		14.0		30.0
LOW		0.4		1.3		2.0		2.8		6.7		10.4
AVERAGE	1970	2358	756	8.2	135	10.6	45	8.4	6	10.3	9	20.1
	1969	3126	873	7.1	84	7.8	51	8.8	15	13.1	9	6.6
SOUND												
HIGH		99.8		99.8		99.5		99.7		87.0		99.0
LOW		98.0		96.0		93.0		88.0		80.0		61.0
AVERAGE	1970	780	1080	97.1	354	94.7	147	90.4	84	83.9	60	88.7
	1969	606	735	97.2	201	94.9	120	91.1	75	84.3	24	83.6
BROKEN KERNELS												
HIGH		3.0		6.0		10.0		15.0		4.0		5.2
LOW		0.6		0.8		1.5		0.7		1.0		1.5
AVERAGE	1970	843	1605	4.1	354	6.5	69	7.1	18	2.9	33	2.3
	1969	678	1071	4.1	153	6.3	72	8.2	21	7.1	6	3.3

* TEST WEIGHT IN POUNDS.

CORN
INSPECTED RECEIPTS, DESIGNATED STATES,
2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS

STATES	GRADE										SPECIAL GRADES AND CLASSES			
	NO. 1 NUMBER	NO. 2 NUMBER	NO. 3 NUMBER	NO. 4 NUMBER	NO. 5 NUMBER	SAMPLE GRADE NUMBER	TOTAL NUMBER	WEEV- ILY NUMBER	YELLOW NUMBER	WHITE NUMBER	MIXED NUMBER			
ALABAMA	0	200	280	264	120	0	864	0	664	184	16			
ILLINOIS	216	3272	3312	3880	1520	696	12896	0	12224	664	8			
INDIANA	224	1824	1184	432	200	64	3928	24	3880	48	0			
IOWA	480	6960	4424	3144	2056	1312	18376	48	17776	568	32			
KANSAS	32	632	728	304	128	88	1912	16	1464	448	0			
KENTUCKY	248	2224	1608	1008	480	248	5816	136	5752	64	0			
MARYLAND	56	712	584	496	320	32	2200	8	2200	0	0			
MINNESOTA	896	12256	8704	2888	2120	1056	27920	152	27920	0	0			
MISSOURI	408	2632	1768	744	208	232	5992	8	5248	736	8			
NEBRASKA	456	3872	2976	3208	1064	360	11936	16	11864	72	0			
NEW YORK	40	496	376	80	88	184	1264	16	1264	0	0			
OHIO	264	2568	1608	1496	744	992	7672	32	7672	0	0			
PENNSYLVANIA	8	480	1048	768	520	416	3240	8	3240	0	0			
SOUTH CAROLINA	0	16	48	8	0	0	72	24	72	0	0			
TENNESSEE	16	576	416	336	304	120	1768	8	1744	24	0			
VIRGINIA	72	808	1344	1480	648	184	4536	24	4536	0	0			
WISCONSIN	152	2048	1240	416	504	224	4584	16	4584	0	0			
ALL STATES	3568	41576	31648	20952	11024	6208	114976	536	112104	2808	64			
‡ 1970 CROP YEAR	3.1	36.2	27.5	18.2	9.6	5.4	100.0	0.5	97.5	2.4	0.1			
‡ 1969 CROP YEAR	2.1	23.0	30.3	23.7	12.6	8.4	100.0	1.2	98.6	1.4	0.0			
‡ 1968 CROP YEAR	2.0	28.6	35.6	21.6	8.0	4.2	100.0	0.9	98.2	1.7	0.1			
‡ 1967 CROP YEAR	1.6	15.3	30.2	22.1	20.2	10.5	100.0	1.3	98.1	1.7	0.1			

CORN INSPECTIONS INDICATED IMPROVED QUALITY OF THIS YEAR'S CROP WITH 39 PERCENT GRADING NO. 2 OR BETTER AS COMPARED TO 25 PERCENT LAST YEAR AND 31 PERCENT IN 1968. ALTHOUGH OVERALL QUALITY WAS GOOD, TOTAL DAMAGE WAS HIGHER THAN FOR ANY OF THE PAST THREE YEARS AND WAS MORE PRONOUNCED IN THE STATES THAT HAD REPORTED HEAVY BLIGHT DAMAGE.

THE U.S. AVERAGE TEST WEIGHT WAS ABOVE LAST YEAR. BUT IN SOME OF THE STATES REPORTING BLIGHT DAMAGE TEST WEIGHT WAS BELOW A YEAR EARLIER. ON THE OTHER HAND, SOME STATES REPORTING BLIGHT DAMAGE HAD HIGHER AVERAGE TEST WEIGHTS, EVIDENTLY BECAUSE THE SAME WEATHER CONDITIONS THAT ENCOURAGED BLIGHT ALSO WERE FAVORABLE FOR HIGH TEST WEIGHTS. THE AVERAGE MOISTURE CONTENT WAS 15.7, WELL BELOW THAT OF THE PAST THREE YEARS.

CORN
RANGE, AVERAGE PERCENTAGE CONTENT AND TOTAL NUMBER OF RECEIPTS FOR SPECIFIC GRADE FACTORS
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP AND 1969 CROP AVERAGE
ALL INSPECTIONS
ALL STATES

QUALITY FACTOR	GRADE										ALL GRADE	
	NO. 1		NO. 2		NO. 3		NO. 4		NO. 5		SAMPLE GRADE	
TEST WEIGHT *	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.
HIGH		60.2		60.7		59.7		59.7		59.2		60.7
LOW		56.2		54.2		52.2		49.2		45.2		45.2
AVERAGE	3568	57.1	41576	55.9	31632	55.3	20944	54.8	11016	54.3	6208	54.3
	1630	57.5	18160	56.0	23890	54.9	18680	54.6	9900	53.8	6580	53.0
	1632	57.3	23184	55.9	28872	55.5	17448	55.4	6492	54.4	3384	53.6
	1668	57.6	15540	55.5	30648	54.4	22416	54.0	20460	53.3	10608	51.7
MOISTURE												
HIGH		14.0		15.5		17.5		20.0		23.0		33.4
LOW		8.0		8.0		7.7		7.5		8.0		7.5
AVERAGE	3568	13.1	41576	14.5	31632	15.5	20952	17.1	11016	18.1	6208	17.7
	1630	13.1	18160	14.7	23900	15.8	18720	17.3	9930	17.9	6600	20.6
	1632	13.2	23184	14.7	28860	16.0	17460	17.9	6504	19.2	3384	19.3
	1668	12.9	15552	14.6	30648	15.8	22416	17.4	20460	19.8	10596	22.9
HEAT DAMAGE												
HIGH		0.0		0.1		0.4		1.0		3.0		12.0
LOW		0.0		0.1		0.1		0.1		0.1		0.1
AVERAGE	C	0.0	32	0.1	40	0.2	64	0.4	64	1.0	96	2.6
	C	0.0	0	0.0	60	0.4	80	0.5	30	0.4	120	2.4
	C	0.0	72	0.1	120	0.2	72	0.5	36	1.0	216	3.4
	C	0.0	12	0.1	156	0.2	240	0.4	132	0.5	240	3.0
TOTAL DAMAGE												
HIGH		3.0		5.0		7.0		10.0		15.0		71.5
LOW		0.0		0.0		0.0		0.0		0.0		0.0
AVERAGE	3264	1.5	38720	2.2	29152	2.8	17560	3.7	9592	5.4	5672	14.7
	1430	1.3	16390	1.8	21150	2.0	14470	2.5	7660	3.8	5580	9.6
	1452	1.5	20064	1.9	24768	1.9	11820	2.2	3672	3.6	2688	14.2
	1440	1.7	13644	2.0	26496	1.9	17604	2.1	14448	1.9	7152	4.2
BRN CORN AND FOR. MAT.												
HIGH		2.0		3.0		4.0		5.0		7.0		17.6
LOW		0.2		0.0		0.0		0.0		0.0		0.0
AVERAGE	3208	1.4	38624	2.0	29048	2.4	17112	2.4	9328	2.8	5768	3.2
	1150	1.3	16150	2.0	21720	2.6	14400	2.9	8400	4.1	5860	3.9
	1272	1.4	20772	2.1	24324	2.5	9456	2.6	3888	3.6	2772	4.0
	1260	1.3	13572	2.1	26544	2.7	17748	3.0	13020	3.5	7932	4.1

* TEST WEIGHT IN POUNDS.

CORN TEST WEIGHT
FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS
ALL STATES

POUNDS	GRADE					SAMPLE GRADE NUMBER	ALL GRADES NUMBER
	NO. 1 NUMBER	NO. 2 NUMBER	NO. 3 NUMBER	NO. 4 NUMBER	NO. 5 NUMBER		
60.0 AND OVER	24	16	0	0	0	0	40
59.0 - 59.9	96	104	48	32	8	8	296
58.0 - 58.9	592	912	456	176	104	80	2320
57.0 - 57.9	1072	4992	2608	1280	440	280	10672
56.0 - 56.9	1784	12928	8296	3704	1632	936	29280
55.0 - 55.9	0	14288	8976	5448	2352	1136	32200
54.0 - 54.9	0	8336	5152	5208	2672	1032	22400
53.0 - 53.9	0	0	4456	2312	1544	704	9016
52.0 - 52.9	0	0	1640	1064	1112	800	4616
51.0 - 51.9	0	0	0	1312	584	560	2456
50.0 - 50.9	0	0	0	280	312	288	880
49.0 - 49.9	0	0	0	128	80	232	440
48.0 - 48.9	0	0	0	0	120	88	208
47.0 - 47.9	0	0	0	0	48	24	72
46.0 - 46.9	0	0	0	0	8	24	32
45.9 AND UNDER	0	0	0	0	0	16	16
NO INFORMATION	0	0	16	8	8	0	32
MEAN 1970	57.1	55.9	55.3	54.8	54.3	53.9	55.3
MEAN 1969	57.5	56.0	54.9	54.6	53.8	53.0	54.8
MEAN 1968	57.3	55.9	55.5	55.4	54.4	53.6	55.5
MEAN 1967	57.6	55.5	54.4	54.0	53.3	51.7	54.0

CORN MOISTURE
PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS
ALL STATES

PERCENT	GRADE					SAMPLE GRADE NUMBER	ALL GRADES NUMBER
	NO. 1 NUMBER	NO. 2 NUMBER	NO. 3 NUMBER	NO. 4 NUMBER	NO. 5 NUMBER		
0.0 - 10.0	64	80	16	32	24	8	224
10.1 - 12.0	432	800	400	232	160	112	2136
12.1 - 13.0	872	2128	1352	976	816	536	6680
13.1 - 13.5	784	2504	1272	864	616	488	6528
13.6 - 14.0	1416	5088	2520	1360	952	848	12184
14.1 - 14.5	0	8136	2768	1208	680	568	13360
14.6 - 15.0	0	11456	3160	1304	544	440	16904
15.1 - 15.5	0	11384	2872	1080	472	408	16216
15.6 - 16.5	0	0	11112	840	472	400	12824
16.6 - 17.5	0	0	6160	480	168	264	7072
17.6 - 18.5	0	0	0	4984	48	120	5152
18.6 - 20.0	0	0	0	7592	144	184	7920
20.1 - 23.0	0	0	0	0	5920	88	6008
23.1 - 25.0	0	0	0	0	0	1016	1016
25.1 - 27.5	0	0	0	0	0	544	544
27.6 - 30.0	0	0	0	0	0	152	152
30.1 - 32.5	0	0	0	0	0	24	24
32.6 - 35.0	0	0	0	0	0	8	8
35.1 - 40.0	0	0	0	0	0	0	0
40.1 AND OVER	0	0	16	0	8	0	24
NO INFORMATION	0	0	16	0	8	0	24
MEAN 1970	13.1	14.5	15.5	17.1	18.1	17.7	15.7
MEAN 1967	12.9	14.6	15.8	17.4	19.8	22.9	17.5
MEAN 1969	13.1	14.7	15.8	17.3	17.9	20.6	16.5
MEAN 1968	13.2	14.7	16.0	17.9	19.2	19.3	16.4

CORN TOTAL DAMAGE
PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS
ALL STATES

PERCENT	GRADE					SAMPLE GRADE NUMBER	ALL GRADES NUMBER
	NO. 1 NUMBER	NO. 2 NUMBER	NO. 3 NUMBER	NO. 4 NUMBER	NO. 5 NUMBER		
0.0	24	864	544	152	120	0	1704
0.1 - 1.0	1272	11296	7864	4888	2544	512	28376
1.1 - 2.0	1128	9320	6040	3424	1416	520	21848
2.1 - 2.5	400	2760	1752	704	392	208	6216
2.6 - 3.0	440	4200	2768	1176	440	208	9232
3.1 - 3.5	0	2448	1232	472	264	88	4504
3.6 - 4.0	0	3184	1816	792	416	248	6456
4.1 - 5.0	0	4648	2552	1280	512	224	9216
5.1 - 6.0	0	0	2016	280	192	136	2624
6.1 - 7.0	0	0	2568	272	160	168	3168
7.1 - 8.0	0	0	0	1296	64	96	1456
8.1 - 10.0	0	0	0	2824	248	216	3288
10.1 - 12.0	0	0	0	0	1176	120	1296
12.1 - 15.0	0	0	0	0	1648	128	1776
15.1 - 18.0	0	0	0	0	0	808	808
18.1 - 25.0	0	0	0	0	0	1056	1056
25.1 AND OVER	0	0	0	0	0	936	936
NO INFORMATION	304	2856	2496	3392	1432	536	11016
MEAN 1970	1.5	2.2	2.8	3.7	5.4	14.7	3.6
MEAN 1969	1.3	1.8	2.0	2.5	3.8	9.6	2.9
MEAN 1968	1.5	1.9	1.9	2.2	3.6	14.2	2.5
MEAN 1967	1.7	2.0	1.9	2.1	1.9	4.2	2.2

BROKEN CORN AND FOREIGN MATERIAL
 PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
 BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
 ALL INSPECTIONS
 ALL STATES

PERCENT	GRADE					SAMPLE GRADE NUMBER	ALL GRADES NUMBER
	NO. 1 NUMBER	NO. 2 NUMBER	NO. 3 NUMBER	NO. 4 NUMBER	NO. 5 NUMBER		
0.0	0	104	88	64	8	0	264
0.1 - 1.0	992	5008	3616	4232	2376	1024	17248
1.1 - 1.5	984	5848	3456	2504	1368	816	14976
1.6 - 2.0	1232	10152	5864	2464	1216	1024	21952
2.1 - 2.5	0	8488	3616	1440	600	560	14704
2.6 - 3.0	0	9024	3496	1648	608	616	15392
3.1 - 3.5	0	0	4000	424	216	184	4824
3.6 - 4.0	0	0	4912	552	272	248	5984
4.1 - 4.5	0	0	0	1648	160	56	1864
4.6 - 5.0	0	0	0	2136	168	152	2456
5.1 - 6.0	0	0	0	0	1424	136	1560
6.1 - 7.0	0	0	0	0	912	120	1032
7.1 - 8.0	0	0	0	0	0	328	328
8.1 - 10.0	0	0	0	0	0	312	312
10.1 AND OVER	0	0	0	0	0	192	192
NO INFORMATION	50	2952	2600	3840	1696	440	11888
MEAN 1970	1.4	2.0	2.4	2.4	2.8	3.2	2.3
MEAN 1969	1.3	2.0	2.6	2.9	4.1	3.9	2.8
MEAN 1968	1.4	2.1	2.5	2.6	3.6	4.0	2.5
MEAN 1967	1.3	2.1	2.7	3.0	3.5	4.1	2.9

FLAXSEED
INSPECTED RECEIPTS, DESIGNATED STATES,
2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS

STATES	GRADE			TOTAL NUMBER
	NO. 1 NUMBER	NO. 2 NUMBER	SAMPLE GRADE NUMBER	
CALIFORNIA	50	2	0	52
MINNESOTA	4882	76	66	5024
MONTANA	72	0	4	76
NORTH DAKOTA	480	0	16	496
SOUTH DAKOTA	120	0	0	120
TEXAS	1152	16	90	1258
WISCONSIN	842	8	26	876
ALL STATES	7598	102	202	7902
% 1970 CROP YEAR	96.2	1.3	2.6	100.0
% 1969 CROP YEAR	96.9	0.6	2.5	100.0
% 1968 CROP YEAR	95.3	1.9	2.7	100.0
% 1967 CROP YEAR	97.1	1.6	1.3	100.0

FLAXSEED
RANGE, AVERAGE PERCENTAGE CONTENT AND TOTAL NUMBER OF RECEIPTS FOR SPECIFIC GRADE FACTORS BY GRADE
ALL STATES

QUALITY FACTOR	GRADE			ALL GRADES
	NO. 1 NO. PCT.	NO. 2 NO. PCT.	SAMPLE GRADE NO. PCT.	
DOCKAGE				
HIGH	50.0	32.0	21.0	50.0
LOW	0.5	3.0	1.0	0.5
AVERAGE	7592 7.9	102 10.6	200 5.7	7894 7.9
1970	10044 6.3	66 9.2	258 7.2	10368 6.4
1969	6794 6.5	138 9.8	194 8.6	7126 6.6
1968	6314 6.1	104 7.8	84 7.7	6502 6.2
1967				
TEST WEIGHT *				
HIGH	54.7	51.7	54.7	54.7
LOW	49.2	47.2	45.2	45.2
AVERAGE	7598 50.7	102 48.6	202 50.1	7902 50.7
1970	10054 51.0	66 49.1	260 50.4	10380 51.0
1969	6798 50.9	138 48.3	194 49.8	7130 50.8
1968	6318 50.6	104 48.3	84 48.5	6506 50.5
1967				
MOISTURE				
HIGH	9.5	9.3	13.2	13.2
LOW	5.0	6.5	6.5	5.0
AVERAGE	7508 7.5	100 7.9	202 9.6	7810 7.6
1970	10030 7.7	66 8.1	260 9.6	10356 7.7
1969	6798 7.9	138 8.2	194 9.8	7130 8.0
1968	6318 7.3	104 8.1	84 9.4	6506 7.3
1967				
HEAT DAMAGE				
HIGH	0.2	0.4	6.0	6.0
LOW	0.1	0.3	0.3	0.1
AVERAGE	8 0.1	4 0.3	40 1.9	52 1.5
1970	6 0.2	22 0.4	42 2.5	70 1.6
1969	8 0.1	2 0.5	2 0.2	12 0.2
1968	0 0.0	4 0.3	14 4.0	18 3.2
1967				

* TEST WEIGHT IN POUNDS.

FLAXSEED MOISTURE
PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS
ALL STATES

PERCENT	GRADE		SAMPLE GRADE NUMBER	ALL GRADES NUMBER
	NO. 1 NUMBER	NO. 2 NUMBER		
6.9 AND UNDER	2020	10	6	2036
7.0 - 7.4	1798	10	4	1812
7.5 - 7.9	1442	30	12	1484
8.0 - 8.5	1348	32	18	1398
8.6 - 9.0	662	16	20	698
9.1 - 9.5	238	2	0	240
9.6 - 10.0	0	0	84	84
10.1 - 10.5	0	0	32	32
10.6 - 11.0	0	0	12	12
11.1 - 11.5	0	0	4	4
11.6 - 12.0	0	0	2	2
12.1 - 13.0	0	0	2	2
13.1 AND OVER	0	0	6	6
NO INFORMATION	90	2	0	92
MEAN 1970	7.5	7.9	9.6	7.6
MEAN 1969	7.7	8.1	9.6	7.7
MEAN 1968	7.9	8.2	9.8	8.0
MEAN 1967	7.3	8.1	9.4	7.3

FLAXSEED THE QUALITY REMAINED HIGH WITH GRADE U.S. NO. 1 SHOWING ONLY A SLIGHT DECLINE FROM LAST YEAR. THERE WAS SOME INCREASE IN AVERAGE DOCKAGE OVER THE PREVIOUS THREE YEARS. MOISTURE CONTENT OF FLAXSEED WAS LOW WITH VERY FEW INSPECTIONS REPORTING OVER 10 PERCENT.

GRAIN SORGHUM
INSPECTED RECEIPTS, DESIGNATED STATES,
2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS

STATES	GRADE					SPECIAL GRADES AND CLASSES				
	NO. 1 NUMBER	NO. 2 NUMBER	NO. 3 NUMBER	NO. 4 NUMBER	SAMPLE GRADE NUMBER	TOTAL NUMBER	WEEV- ILY NUMBER	YELLOW NUMBER	WHITE NUMBER	OTHER NUMBER
CALIFORNIA	147	833	238	49	21	1288	14	1288	0	0
COLORADO	126	721	238	147	14	1246	0	1246	0	0
KANSAS	28	1792	1589	1575	224	5208	7	5047	7	154
MISSOURI	91	854	399	266	147	1757	14	1673	7	77
NEBRASKA	287	1953	1148	1582	273	5243	77	5061	14	168
OKLAHOMA	0	91	119	0	0	210	0	210	0	0
TENNESSEE	14	112	42	35	14	217	0	28	0	189
TEXAS	2233	24045	11459	3773	2268	43778	217	40950	2737	91
ALL STATES	2926	30401	15232	7427	2961	58947	329	55503	2765	679
% 1970 CROP YEAR	5.0	51.6	25.8	12.6	5.0	100.0	0.6	94.2	4.7	1.2
% 1969 CROP YEAR	4.3	43.4	24.4	22.3	5.6	100.0	0.6	99.3	0.3	0.4
% 1968 CROP YEAR	2.5	39.3	33.7	19.5	5.0	100.0	1.0	97.3	2.4	0.3
% 1967 CROP YEAR	5.1	43.2	25.2	20.2	6.3	100.0	0.8	99.9	0.0	0.1

GRAIN SORGHUM MOISTURE
PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS, BY GRADE

PERCENT	GRADE					ALL STATES			SAMPLE GRADE NUMBER	ALL GRADES NUMBER
	NO. 1 NUMBER	NO. 2 NUMBER	NO. 3 NUMBER	NO. 4 NUMBER	NO. 4 NUMBER	NO. 1 NUMBER	NO. 2 NUMBER	NO. 3 NUMBER		
10.0 AND UNDER	14	56	7	0	0	0	0	0	0	77
10.1 - 11.0	42	133	14	0	0	0	0	35	35	224
11.1 - 12.0	294	693	133	28	28	0	0	42	42	1190
12.1 - 13.0	2464	3976	833	210	210	0	0	273	273	7756
13.1 - 14.0	0	25109	3199	805	805	0	0	994	994	30107
14.1 - 15.0	0	0	10619	371	371	0	0	630	630	11620
15.1 - 16.0	0	0	0	3276	3276	0	0	203	203	3479
16.1 - 17.0	0	0	0	1855	1855	0	0	140	140	1995
17.1 - 18.0	0	0	0	714	714	0	0	98	98	812
18.1 - 22.0	0	0	0	0	0	0	0	210	210	210
22.1 AND OVER	0	0	0	0	0	0	0	0	0	0
NO INFORMATION	112	434	427	168	168	0	0	336	336	1477
MEAN 1970	12.6	13.5	14.2	15.7	15.7	0	0	14.6	14.6	13.9

GRAIN SORGHUM
RANGE, AVERAGE PERCENTAGE CONTENT AND TOTAL NUMBER OF RECEIPTS FOR SPECIFIC GRADE FACTORS
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP AND 1969 CROP AVERAGE
ALL INSPECTIONS
ALL STATES

QUALITY FACTOR	GRADE								ALL GRADES	
	NO. 1		NO. 2		NO. 3		NO. 4		SAMPLE GRADE	
	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.
DOCKAGE										
HIGH		0.0		1.0		2.0		3.0		3.0
LOW		0.0		1.0		1.0		1.0		1.0
AVERAGE		0	63	1.0	77	1.5	70	1.3	21	1.7
1970		0	21	1.3	28	1.1	35	1.2	7	1.0
1969		0	248	0.3	184	0.1	192	0.3	32	1.0
1968		0	464	0.1	560	0.1	976	0.1	224	0.3
1967		24								
TEST WEIGHT *										
HIGH		60.7		60.7		60.7		60.2		60.2
LOW		57.2		55.2		53.2		51.2		44.7
AVERAGE		2814	29960	57.3	14805	56.5	7259	56.1	2625	55.3
1970		2457	25116	57.3	14098	57.0	12894	57.5	3234	55.5
1969		1320	20720	57.4	17776	56.6	10264	56.4	2616	54.0
1968		3064	25920	58.1	15104	57.7	12136	56.1	3760	53.6
1967										
MOISTURE										
HIGH		13.0		14.0		15.0		18.0		22.0
LOW		9.2		9.2		9.0		11.4		9.0
AVERAGE		2814	29967	13.5	14805	14.2	7259	15.7	2625	14.6
1970		2457	25116	13.5	14098	14.5	12894	16.4	3234	17.6
1969		1320	20728	13.4	17776	14.3	10264	15.6	2616	15.4
1968		3064	25920	13.5	15112	14.5	12136	16.2	3760	17.9
1967										
HEAT DAMAGE										
HIGH		0.0		0.0		0.0		0.0		0.0
LOW		0.0		0.0		0.0		0.0		0.0
AVERAGE		0	0	0.0	0	0.0	0	0.0	0	0.0
1970		0	0	0.0	0	0.0	0	0.0	7	10.0
1969		0	0	0.0	0	0.0	0	0.0	48	1.4
1968		0	0	0.0	0	0.0	0	0.0	0	0.0
1967		0	0	0.0	0	0.0	0	0.0	0	0.0
TOTAL DAMAGE										
HIGH		2.0		5.0		10.0		15.0		45.0
LOW		0.2		0.2		0.2		0.0		0.0
AVERAGE		308	5285	2.9	4610	5.4	2450	6.3	1638	16.0
1970		49	819	2.7	742	3.1	1162	1.1	315	8.4
1969		120	4752	3.7	4328	5.6	1624	7.5	1352	16.0
1968		8	1080	2.8	176	4.6	80	5.4	496	11.3
1967										
BRKN KER. FM & OTH.GR.										
HIGH		4.0		8.0		12.0		15.0		20.0
LOW		1.0		0.4		1.0		1.0		0.4
AVERAGE		1015	9639	4.1	6272	4.1	5691	3.7	1183	4.8
1970		455	6020	4.3	4151	4.1	10003	3.6	1547	3.4
1969		1200	20568	4.3	17592	4.3	9792	4.1	2296	4.8
1968		2992	25416	3.5	14464	3.3	11288	3.6	2984	4.0
1967										

* TEST WEIGHT IN POUNDS.

GRAIN SORGHUM THE QUALITY OF 1970 CROP GRAIN SORGHUM WAS BETTER THAN 1969 WITH 57 PERCENT U.S. NO. 2 OR BETTER COMPARED WITH 48 PERCENT LAST YEAR. ONLY 18 PERCENT GRADED U.S. NO. 4 OR LOWER AS COMPARED TO 28 PERCENT LAST YEAR. MOISTURE CONTENT AVERAGED LOWER, HOWEVER, TOTAL DAMAGE AVERAGED HIGHER.

GRAIN SORGHUM TOTAL DAMAGE
 PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
 BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
 ALL INSPECTIONS
 ALL STATES

PERCENT	GRADE				SAMPLE GRADE NUMBER	ALL GRADES NUMBER
	NO. 1 NUMBER	NO. 2 NUMBER	NO. 3 NUMBER	NO. 4 NUMBER		
.0	0	0	0	7	0	7
0.1 - 1.0	161	994	700	763	14	2632
1.1 - 2.0	147	504	357	294	28	1330
2.1 - 2.5	0	476	77	28	21	602
2.6 - 3.0	0	847	147	91	28	1113
3.1 - 3.5	0	490	98	28	42	658
3.6 - 4.0	0	763	175	63	84	1085
4.1 - 5.0	0	1211	336	119	98	1764
5.1 - 6.0	0	0	280	14	70	364
6.1 - 7.0	0	0	686	42	70	798
7.1 - 8.0	0	0	679	28	42	749
8.1 - 10.0	0	0	875	49	119	1043
10.1 - 12.0	0	0	0	238	42	280
12.1 - 15.0	0	0	0	686	63	749
15.1 - 18.0	0	0	0	0	182	182
18.1 - 25.0	0	0	0	0	476	476
25.1 AND OVER	0	0	0	0	259	259
NO INFORMATION	2618	25116	10822	4977	1323	44856
MEAN 1970	1.7	2.9	5.4	6.3	16.0	5.8

OATS
INSPECTED RECEIPTS, DESIGNATED STATES,
2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS

STATES	GRADE										SPECIAL GRADES AND CLASSES				
	NO. 1 HEAVY NUMBER	NO. 1 NUMBER	NO. 2 HEAVY NUMBER	NO. 2 NUMBER	NO. 3 HEAVY NUMBER	NO. 3 NUMBER	NO. 4 HEAVY NUMBER	NO. 4 NUMBER	SAMPLE GRADE NUMBER	TOTAL NUMBER	TOUGH NUMBER	WEEV- ILY NUMBER	THIN NUMBER	WHITE NUMBER	OTHER NUMBER
ILLINOIS	165	81	93	87	12	21	3	3	21	486	24	12	0	486	0
IOWA	486	192	516	306	165	81	33	0	21	1800	9	9	0	1800	0
MINNESOTA	2145	486	1965	552	645	378	261	210	342	6984	57	198	0	6984	0
MISSOURI	372	66	84	33	15	3	0	0	0	573	3	6	0	567	6
NEBRASKA	36	24	24	21	12	9	6	9	0	141	0	0	0	141	0
NEW YORK	42	9	12	6	0	0	0	0	3	72	9	0	0	72	0
NORTH DAKOTA	663	216	564	321	183	114	90	48	102	2301	27	3	0	2301	0
OHIO	177	0	24	3	12	0	9	0	21	246	60	6	0	180	66
SOUTH DAKOTA	51	9	63	0	39	3	3	3	9	180	0	0	0	180	0
WISCONSIN	255	39	261	57	171	69	72	27	153	1104	18	39	0	1101	3
ALL STATES	4392	1122	3606	1386	1254	678	477	300	672	13887	207	273	0	13812	75
% 1970 CROP YEAR	31.6	8.1	26.0	10.0	9.0	4.9	3.4	2.2	4.8	100.0	1.5	2.0	0.0	99.5	0.5
% 1969 CROP YEAR	44.3	4.9	28.7	5.3	8.5	3.0	2.4	2.9	0.0	100.0	3.3	1.2	0.0	99.7	0.3
% 1968 CROP YEAR	53.6	3.8	26.7	3.7	7.6	1.2	2.0	0.3	1.2	100.0	5.9	0.8	0.0	99.8	0.2
% 1967 CROP YEAR	50.0	1.9	32.9	1.4	9.0	0.6	2.1	0.2	1.9	100.0	1.7	1.2	0.2	99.8	0.2

OATS THE QUALITY OF THE 1970 CROP OF OATS WAS DOWN WITH 40 PERCENT GRADING U.S. NO. 1 COMPARED WITH 49 PERCENT LAST YEAR.
TEST WEIGHT AVERAGED APPROXIMATELY 1 POUND LOWER THAN THE PAST 3 YEARS.

OATS

RANGE, AVERAGE PERCENTAGE CONTENT AND TOTAL NUMBER OF RECEIPTS FOR SPECIFIC GRADE FACTORS
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP AND 1969 CROP AVERAGE
ALL INSPECTIONS
ALL STATES

QUALITY FACTOR	TEST WEIGHT *	GRADE								SAMPLE	
		NO. 1 HEAVY	NO. 1 PCT.	NO. 2 HEAVY	NO. 2 PCT.	NO. 3 HEAVY	NO. 3 PCT.	NO. 4 HEAVY	NO. 4 PCT.	NO. PCT.	ALL GRADES
TREST WEIGHT *	HIGH	43.2	35.7	43.7	35.7	42.7	35.7	42.2	35.7	42.7	43.7
	LOW	36.2	34.2	36.2	32.2	36.2	30.2	36.2	27.2	25.2	25.2
	AVERAGE	4392 38.1	1122 35.0	3606 38.3	1386 34.2	1254 38.3	678 33.3	477 38.6	300 31.4	672 36.0	13887 37.1
	1970	6438 38.8	708 35.0	4170 38.9	768 33.8	1239 39.0	432 32.8	345 39.1	426 35.3	0 0.0	14526 38.1
	1969	6732 38.4	474 35.2	3351 38.7	462 34.5	954 38.6	147 34.2	252 39.0	39 34.4	147 37.0	12558 38.2
MOISTURE	HIGH	6621 38.6	246 34.9	4359 38.7	183 34.4	1188 38.5	81 33.5	279 38.5	21 33.5	258 36.2	13236 38.4
	LOW	15.4	14.5	15.0	15.7	15.3	14.5	14.0	15.0	19.9	19.9
	AVERAGE	4392 11.6	1122 11.8	3606 11.5	1386 11.9	1254 11.6	678 12.0	477 11.7	300 12.1	672 12.1	13887 11.7
	1970	6438 11.5	708 12.8	4170 11.6	768 13.0	1239 11.9	432 13.3	345 12.3	426 13.2	0 0.0	14526 11.8
	1969	6732 12.5	474 12.8	3351 12.1	462 12.6	954 12.4	147 12.9	252 12.5	39 13.1	144 13.7	12555 12.4
HEAT DAMAGE	HIGH	6618 11.5	246 12.0	4359 11.2	183 12.2	1185 11.4	81 12.7	279 11.4	21 12.4	228 13.0	13200 11.4
	LOW	0.1	0.0	0.3	0.0	1.0	1.0	2.4	3.0	14.0	14.0
	AVERAGE	12 0.1	0 0.0	45 0.2	0 0.0	21 0.6	6 0.8	21 1.4	3 3.0	45 3.3	153 1.4
	1970	1969	0 0.0	33 0.2	0 0.0	24 0.5	24 0.6	36 1.9	129 4.1	0 0.0	246 2.5
	1968	1967	0 0.0	6 0.2	0 0.0	18 1.0	0 0.0	12 2.6	6 1.4	6 1.4	48 1.4
WILD OATS	HIGH	27 13.3	3 19.8	33 12.7	3 19.8	21 3.5	6 19.8	9 7.1	0 0.0	33 8.2	135 10.5
	LOW	2.0	0.0	2.1	0.0	3.5	0.0	7.7	6.6	3.5	7.7
	AVERAGE	1.5	0.0	2.1	0.0	3.5	0.0	7.4	6.6	3.5	1.5
	1970	1969	6 1.8	0 0.0	3 2.1	3 3.5	0 0.0	6 7.5	3 6.6	3 3.5	24 4.3
	1968	1967	0 0.0	0 0.0	18 0.4	21 3.0	0 0.0	0 0.0	3 6.0	0 0.0	45 2.1
FOREIGN MATERIAL	HIGH	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	3 7.0	0 0.0	3 13.0	6 10.0
	LOW	0 0.0	0 0.0	0 0.0	0 0.0	18 3.9	3 5.0	3 7.0	0 0.0	3 12.5	27 5.3
	AVERAGE	2.0	2.0	3.0	3.0	4.0	4.0	5.0	5.0	18.7	18.7
	1970	1969	3966 1.0	1026 1.1	3504 1.6	1278 1.8	636 2.7	468 3.3	297 3.7	648 6.6	13050 1.9
	1968	1967	6105 1.0	552 1.0	4071 1.5	468 1.4	363 1.7	333 2.3	372 3.8	0 0.0	13482 1.4
SOUND	HIGH	6498 0.9	453 1.1	3321 1.4	462 1.6	903 1.8	138 2.2	243 2.3	39 2.9	138 4.4	12195 1.2
	LOW	6393 1.0	222 1.1	4314 1.8	171 1.9	1158 2.5	60 2.9	279 3.0	15 3.1	219 5.6	12831 1.6
	AVERAGE	99.8	99.5	99.5	99.3	98.5	98.5	97.0	98.5	98.8	99.8
	1970	1969	97.0	97.0	94.0	94.0	90.0	80.0	83.0	50.0	50.0
	1968	1967	4368 97.7	1107 97.7	3597 95.6	1386 96.1	678 94.5	477 89.3	297 93.7	663 88.8	13824 95.6
* TEST WEIGHT IN POUNDS.	HIGH	6381 97.7	579 98.1	4161 95.5	651 96.7	1236 92.6	387 96.2	339 87.7	399 87.7	0 0.0	14133 96.0
	LOW	6705 97.9	474 97.9	3348 95.6	459 96.0	954 93.3	147 94.6	249 88.1	39 91.7	147 89.1	12522 96.5
	AVERAGE	6591 97.9	243 97.9	4350 95.5	183 95.8	1188 93.1	81 94.9	279 89.2	21 92.3	255 88.9	13191 96.3
	1970	1969	97.0	97.0	94.0	94.0	90.0	80.0	83.0	50.0	50.0
	1968	1967	4368 97.7	1107 97.7	3597 95.6	1386 96.1	678 94.5	477 89.3	297 93.7	663 88.8	13824 95.6

* TEST WEIGHT IN POUNDS.

RYE
INSPECTED RECEIPTS, DESIGNATED STATES,
2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS

STATES	GRADE				SAMPLE GRADE NUMBER	TOTAL NUMBER	TOUGH NUMBER	SPECIAL GRADES		
	NO. 1 NUMBER	NO. 2 NUMBER	NO. 3 NUMBER	NO. 4 NUMBER				WEEV- ILY NUMBER	ERGOTY NUMBER	PLUMP NUMBER
MINNESOTA	797	545	132	11	5	1488	18	0	2	822
NEBRASKA	113	105	53	2	2	273	2	0	0	206
NORTH DAKOTA	45	44	8	2	0	98	2	0	3	24
PENNSYLVANIA	2	30	9	8	14	62	36	0	0	62
SOUTH DAKOTA	105	56	9	0	0	170	0	0	0	62
WASHINGTON	11	62	63	29	0	164	0	0	0	63
WISCONSIN	159	86	14	3	0	261	3	0	8	136
ALL STATES	1230	926	287	53	20	2514	60	0	12	1451
% 1970 CROP YEAR	48.9	36.8	11.4	2.1	0.8	100.0	2.4	0.0	0.5	57.7
% 1969 CROP YEAR	39.9	48.8	8.5	1.4	1.4	100.0	4.2	0.0	0.6	49.3
% 1968 CROP YEAR	49.6	38.6	8.1	2.2	1.6	100.0	8.5	0.0	3.7	58.2
% 1967 CROP YEAR	70.4	22.7	4.3	1.5	1.1	100.0	5.9	0.0	7.2	60.1

RYE THE QUALITY OF THE 1970 CROP RYE WAS GENERALLY HIGHER WITH AN INCREASE IN U.S. NO. 1 GRADE AT 49 PERCENT AS COMPARED WITH 40 PERCENT LAST YEAR. A SMALLER PART OF THE CROP GRADED U.S. NO. 2 AND THERE WAS AN INCREASE IN U.S. NO. 3 AT 11 PERCENT AS COMPARED TO 8 PERCENT LAST YEAR.

RYE
RANGE, AVERAGE PERCENTAGE CONTENT AND TOTAL NUMBER OF RECEIPTS FOR SPECIFIC GRADE FACTORS
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP AND 1969 CROP AVERAGE
ALL INSPECTIONS
ALL STATES

QUALITY FACTOR	GRADE										ALL GRADES	
	NO. 1		NO. 2		NO. 3		NO. 4		SAMPLE GRADE		NO.	PCT.
DOCKAGE HIGH LOW AVERAGE	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.
	1970	6.5	10.5	8.5	105	8.5	15	5.5	2	1.5	803	10.5
	1969	0.0	0.0	0.0	98	0.0	26	1.5	21	1.5	761	0.0
	1968	1.4	1.7	1.8	191	1.8	53	2.6	42	1.7	2493	1.6
TEST WEIGHT *	1967	1.1	1.6	1.2	150	1.2	30	1.6	38	1.0	4205	1.4
	1967	0.2	0.5	0.8	915	0.8	30	1.1	38	1.7	4205	0.5
	1967	0.1	0.4	0.8	915	0.8	30	1.1	38	1.7	4205	0.2
	1967	0.1	0.4	0.8	915	0.8	30	1.1	38	1.7	4205	0.2
MOISTURE HIGH LOW AVERAGE	1970	59.7	60.1	58.3	287	58.3	53	56.6	20	56.2	2514	60.1
	1969	56.0	54.0	52.0	290	52.0	50	49.0	47	45.3	3413	45.3
	1968	57.8	55.1	53.6	224	53.6	60	52.3	44	51.0	2766	55.8
	1967	56.9	55.3	54.2	198	54.2	68	53.0	50	53.7	4586	55.5
TOTAL DAMAGE HIGH LOW AVERAGE	1970	14.9	15.3	15.5	224	15.5	24	16.0	20	21.4	2351	21.4
	1969	9.7	10.0	10.5	275	10.5	48	11.3	47	12.5	3318	9.7
	1968	12.0	12.4	12.5	224	12.5	60	13.5	44	15.2	2756	12.2
	1967	12.2	12.9	13.6	197	13.6	65	13.0	50	14.7	4572	12.7
FOREIGN MATERIAL HIGH LOW AVERAGE	1970	1.6	4.0	6.4	33	6.4	15	12.0	18	20.0	135	20.0
	1969	0.1	0.1	0.3	30	0.3	27	0.6	36	0.8	189	0.1
	1968	0.5	1.8	3.0	54	3.0	47	6.2	30	5.8	161	3.0
	1967	0.6	2.7	4.1	47	4.1	45	9.6	30	13.4	161	6.3
FOR. MAT. NOT WHEAT HIGH LOW AVERAGE	1970	3.0	5.9	10.0	74	10.0	12	4.0	14	0.7	530	10.0
	1969	0.1	0.1	0.2	44	0.2	14	0.2	29	0.2	356	0.1
	1968	0.9	1.7	3.7	54	3.7	18	1.3	21	0.3	258	1.6
	1967	0.8	1.4	4.3	23	4.3	29	1.5	21	5.3	258	2.0
THIN HIGH LOW AVERAGE	1970	1.0	2.0	4.0	36	4.0	15	5.5	8	2.0	335	5.5
	1969	0.2	0.2	0.2	29	0.2	15	0.2	27	0.2	450	0.2
	1968	0.6	1.0	1.8	69	1.8	20	2.4	15	0.6	180	1.0
	1967	0.6	1.1	1.7	21	1.7	15	1.6	15	2.5	180	1.0
AVERAGE	1970	6.1	6.9	6.7	188	6.7	26	9.3	18	7.0	1784	32.0
	1969	5.1	6.9	6.9	260	6.9	44	8.0	24	1.0	2517	0.0
	1968	6.1	6.9	6.9	138	6.9	39	8.7	20	3.2	1583	5.7
	1967	6.0	7.4	9.9	158	9.9	56	9.3	39	3.0	2480	6.4

* TEST WEIGHT IN POUNDS.

SOYBEANS
INSPECTED RECEIPTS, DESIGNATED STATES,
2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS

STATES	GRADE				SAMPLE GRADE NUMBER	TOTAL NUMBER
	NO. 1 NUMBER	NO. 2 NUMBER	NO. 3 NUMBER	NO. 4 NUMBER		
ALABAMA	182	980	1498	1204	714	4578
ARKANSAS	532	980	1134	490	224	3360
ILLINOIS	2716	6496	4984	1400	364	15960
INDIANA	238	574	462	224	14	1512
IOWA	11872	9856	2996	700	644	26068
KANSAS	266	1988	1484	392	98	4228
KENTUCKY	70	350	336	224	42	1022
LOUISIANA	0	546	2212	1974	1036	5768
MARYLAND	28	42	42	70	56	238
MINNESOTA	6034	5446	1862	910	714	14966
MISSISSIPPI	154	980	1008	406	1512	4060
MISSOURI	770	2716	1946	448	98	5978
NEBRASKA	882	3010	644	266	168	4970
OHIO	4284	6930	4046	1708	644	17612
SOUTH CAROLINA	56	504	420	182	112	1274
TENNESSEE	546	2730	2632	798	266	6972
TEXAS	56	1428	1302	518	196	3500
VIRGINIA	448	3010	2492	1022	112	7084
ALL STATES	29134	48566	31500	12936	7014	129150
% 1970 CROP YEAR	22.6	37.6	24.4	10.0	5.4	100.0
% 1969 CROP YEAR	22.3	44.0	23.2	6.9	3.6	100.0
% 1968 CROP YEAR	17.8	46.9	22.2	8.6	4.5	100.0
% 1967 CROP YEAR	29.9	41.8	19.1	6.8	2.4	100.0

SOYBEANS. THE QUALITY OF THE 1970 CROP SOYBEANS WAS DOWN SLIGHTLY WITH ABOUT THE SAME PERCENT GRADING U.S. NO. 1 AS LAST YEAR BUT WITH 40 PERCENT GRADING U.S. NO. 3 OR LOWER COMPARED WITH 34 PERCENT THE PREVIOUS YEAR. TEST WEIGHT AVERAGED BELOW THE PREVIOUS THREE YEARS.

SUMMARY
 RANGE, AVERAGE PERCENTAGE CONTENT AND TOTAL NUMBER OF RECEIPTS FOR SPECIFIC GRADE FACTORS
 BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP AND 1969 CROP AVERAGE
 ALL INSPECTIONS
 ALL STATES

QUALITY FACTOR	GRADE										ALL GRADES	
	NO. 1		NO. 2		NO. 3		NO. 4		SAMPLE GRADE		NO.	PCT.
TEST WEIGHT *	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.
HIGH		59.2		58.7		59.2		59.2		60.2		60.2
LOW		56.2		54.2		52.2		49.7		45.2		45.2
AVERAGE	1970	29106	48524	56.0	31458	55.3	12866	55.1	6958	55.1	128912	55.9
	1969	27720	60924	56.1	31536	56.2	9516	56.2	4932	56.1	134628	56.3
	1968	19380	51096	56.0	24240	55.8	9348	55.8	4920	55.6	108984	56.1
	1967	36610	51170	56.3	23340	56.0	8270	56.1	2980	56.2	122370	56.4
MOISTURE												
HIGH		13.0		14.0		16.0		18.0		20.0		20.0
LOW		9.2		9.0		8.3		8.0		9.3		8.0
AVERAGE	1970	29134	48552	12.6	31500	14.2	12936	14.9	6692	14.6	128814	13.1
	1969	31872	62916	12.9	33156	14.1	9912	14.0	5052	13.9	142908	13.1
	1968	19380	51096	12.7	24240	13.6	9360	13.7	4920	14.8	108996	13.0
	1967	36610	51190	12.2	23350	13.2	8270	13.1	2980	13.0	122400	12.3
HEAT DAMAGE												
HIGH		0.1		0.5		1.0		1.7		5.1		5.1
LOW		0.1		0.1		0.1		0.3		0.1		0.1
AVERAGE	1970	14	280	0.4	210	0.6	56	1.2	308	1.1	868	0.7
	1969	48	312	0.3	336	0.6	192	1.1	348	2.7	1236	1.2
	1968	0	96	0.4	180	0.5	84	0.6	180	2.3	540	1.1
	1967	0	20	0.3	110	0.6	30	1.4	80	1.3	240	0.9
TOTAL DAMAGE												
HIGH		2.0		3.0		5.0		8.0		39.6		39.6
LOW		0.0		0.0		0.0		0.3		0.2		0.0
AVERAGE	1970	5306	19600	1.1	18704	1.7	8134	2.9	3318	6.2	55062	1.8
	1969	8748	29364	1.1	13212	1.4	5220	1.5	2772	2.7	59316	1.2
	1968	8736	27792	1.4	15264	2.0	6144	2.5	3036	4.0	60972	1.7
	1967	18050	34990	1.4	18000	1.8	6060	2.2	2210	3.3	79310	1.5
FOREIGN MATERIAL												
HIGH		1.0		2.0		3.0		5.0		16.7		16.7
LOW		0.0		0.1		0.1		0.1		0.0		0.0
AVERAGE	1970	29092	48482	1.1	31444	1.5	12922	2.5	6986	3.9	128926	1.4
	1969	31356	62712	1.1	32916	1.6	9888	3.4	5100	6.6	141972	1.5
	1968	19356	51000	1.2	24204	1.7	9360	3.2	4920	5.1	108840	1.6
	1967	36560	51150	1.3	23330	1.9	8250	3.5	2970	6.3	122260	1.5
BROWN, BLACK, BICOLORED												
HIGH		0.0		0.0		0.0		0.0		0.0		0.0
LOW		0.0		0.0		0.0		0.0		0.0		0.0
AVERAGE	1970	0	0	0.0	28	0.0	0	0.0	0	0.0	28	0.0
	1969	0	12	1.8	0	0.0	0	0.0	0	0.0	12	1.8
	1968	0	12	1.5	12	3.0	0	0.0	0	0.0	24	2.0
	1967	10	20	1.6	20	2.8	0	0.0	0	0.0	50	2.0
SPLITS												
HIGH		10.0		20.0		30.0		40.0		60.0		60.0
LOW		0.0		0.0		0.0		0.0		1.0		0.0
AVERAGE	1970	25984	44800	7.9	28462	7.6	11592	7.4	4914	7.1	115752	7.2
	1969	25080	56592	7.2	28860	6.3	8580	7.6	4344	8.6	123456	6.7
	1968	16968	47220	8.3	21612	8.6	8328	8.4	4524	8.0	98652	8.0
	1967	32380	44980	8.0	19980	7.9	7220	8.6	2560	8.9	107120	7.4

* TEST WEIGHT IN POUNDS.

SOYBEANS TEST WEIGHT
FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS
ALL STATES

POUNDS	GRADE				SAMPLE GRADE NUMBER	ALL GRADES NUMBER
	NO. 1 NUMBER	NO. 2 NUMBER	NO. 3 NUMBER	NO. 4 NUMBER		
60.0 AND OVER	0	0	0	0	14	14
59.0 - 59.9	70	0	42	42	56	210
58.0 - 58.9	2058	1162	560	280	308	4368
57.0 - 57.9	11284	7098	2030	980	546	21938
56.0 - 56.9	15694	14630	7490	2604	1568	41986
55.0 - 55.9	0	18970	10780	3794	1778	35322
54.0 - 54.9	0	6664	6216	2282	1120	16282
53.0 - 53.9	0	0	3290	1484	602	5376
52.0 - 52.9	0	0	1050	700	504	2254
51.0 - 51.9	0	0	0	518	196	714
50.0 - 50.9	0	0	0	154	140	294
49.0 - 49.9	0	0	0	28	84	112
48.9 AND UNDER	0	0	0	0	42	42
NO INFORMATION	28	42	42	70	56	238
MEAN 1970	56.9	56.0	55.3	55.1	55.1	55.9
MEAN 1969	56.8	56.1	56.2	56.2	56.1	56.3
MEAN 1968	56.8	56.0	55.8	55.8	55.6	56.1
MEAN 1967	56.8	56.3	56.0	56.1	56.2	56.4

SOYBEANS MOISTURE
 PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
 BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
 ALL INSPECTIONS
 ALL STATES

PERCENT	NO. 1 NUMBER	NO. 2 NUMBER	GRADE	NO. 3 NUMBER	NO. 4 NUMBER	SAMPLE GRADE NUMBER	ALL GRADES NUMBER
10.0 AND UNDER	1078	896		126	42	56	2198
10.1 - 12.0	17346	14112		3234	1778	994	37464
12.1 - 13.0	10710	13958		3850	1470	1232	31220
13.1 - 13.5	0	9842		1820	714	700	13076
13.6 - 14.0	0	9744		1792	896	420	12852
14.1 - 14.5	0	0		6468	574	420	7462
14.6 - 15.0	0	0		6258	756	518	7532
15.1 - 15.5	0	0		3976	434	322	4732
15.6 - 16.0	0	0		3976	476	336	4788
16.1 - 16.5	0	0		0	2212	224	2436
16.6 - 17.5	0	0		0	1890	182	2072
17.6 - 18.0	0	0		0	854	112	966
18.1 - 20.0	0	0		0	840	140	980
20.1 AND OVER	0	0		0	0	1036	1036
NO INFORMATION	0	14		0	0	0	14
MEAN 1970	11.7	12.6		14.2	14.9	14.6	13.1
MEAN 1969	12.2	12.9		14.1	14.0	13.9	13.1
MEAN 1968	12.2	12.7		13.6	13.7	14.8	13.0
MEAN 1967	11.6	12.2		13.2	13.1	13.0	12.3

SOYBEANS SPLITS
 PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
 BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
 ALL INSPECTIONS
 ALL STATES

PERCENT	NO. 1 NUMBER	NO. 2 NUMBER	GRADE	NO. 3 NUMBER	NO. 4 NUMBER	SAMPLE GRADE NUMBER	ALL GRADES NUMBER
0.0	56	56		70	84	0	266
0.1 - 2.0	1610	1596		1834	868	630	6538
2.1 - 4.0	8694	8904		6468	2870	1274	28210
4.1 - 6.0	7532	9240		6132	2688	980	26572
6.1 - 8.0	5418	8526		5068	1582	672	21266
8.1 - 10.0	2674	6118		3234	1358	532	13916
10.1 - 12.0	0	3710		1610	560	224	6104
12.1 - 14.0	0	2982		1442	574	210	5208
14.1 - 16.0	0	1988		910	378	98	3374
16.1 - 18.0	0	980		518	266	140	1904
18.1 - 20.0	0	700		420	84	70	1274
20.1 - 25.0	0	0		574	98	14	686
25.1 - 30.0	0	0		182	70	14	266
30.1 - 35.0	0	0		0	98	14	112
35.1 - 40.0	0	0		0	14	0	14
40.1 AND OVER	0	0		0	0	42	42
NO INFORMATION	3150	3766		3038	1344	2100	13398
MEAN 1970	5.4	7.9		7.6	7.4	7.1	7.2
MEAN 1969	5.3	7.2		6.3	7.6	8.6	6.7
MEAN 1968	5.9	8.3		8.6	8.4	8.0	8.0
MEAN 1967	5.9	8.0		7.9	8.6	8.9	7.4

SOYBEANS TOTAL DAMAGE
 PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
 BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
 ALL INSPECTIONS
 ALL STATES

PERCENT	NO. 1 NUMBER	NO. 2 NUMBER	NO. 3 NUMBER	NO. 4 NUMBER	SAMPLE GRADE NUMBER	ALL GRADES NUMBER
0.0	14	28	28	0	0	70
0.1 - 0.5	2450	3710	1666	476	84	8386
0.6 - 1.0	2212	8414	6440	1806	546	19418
1.1 - 1.5	392	2884	2800	1120	350	7546
1.6 - 2.0	238	3122	3108	1414	378	8260
2.1 - 2.5	0	798	1106	308	98	2310
2.6 - 3.0	0	644	1120	420	98	2282
3.1 - 3.5	0	0	364	112	42	518
3.6 - 4.0	0	0	896	266	112	1274
4.1 - 4.5	0	0	378	98	28	504
4.6 - 5.0	0	0	798	294	168	1260
5.1 - 6.0	0	0	0	490	84	574
6.1 - 7.0	0	0	0	770	42	812
7.1 - 8.0	0	0	0	560	112	672
8.1 - 9.0	0	0	0	0	84	84
9.1 - 10.0	0	0	0	0	308	308
10.1 AND OVER	0	0	0	0	784	784
NO INFORMATION	23828	28966	12796	4802	3696	74088
MEAN 1970	0.7	1.1	1.7	2.9	6.2	1.8
MEAN 1969	0.8	1.1	1.4	1.5	2.7	1.2
MEAN 1968	0.9	1.4	2.0	2.5	4.0	1.7
MEAN 1967	1.0	1.4	1.8	2.2	3.3	1.5

SOYBEANS FOREIGN MATERIAL
PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS
ALL STATES

PERCENT	GRADE				SAMPLE GRADE NUMBER	ALL GRADES NUMBER
	NO. 1 NUMBER	NO. 2 NUMBER	NO. 3 NUMBER	NO. 4 NUMBER		
0.0	14	0	0	0	14	28
0.1 - 0.2	1232	910	336	84	140	2702
0.3 - 0.4	4494	4046	1694	462	168	10864
0.5 - 0.6	5334	4872	2156	574	238	13174
0.7 - 0.8	7574	6552	3080	770	546	18522
0.9 - 1.0	10444	9898	6230	1750	434	28756
1.1 - 1.2	0	2114	546	126	224	3010
1.3 - 1.4	0	6916	2534	644	224	10318
1.5 - 1.6	0	4704	1918	546	322	7490
1.7 - 1.8	0	3878	1442	448	392	6160
1.9 - 2.0	0	4592	2170	616	434	7812
2.1 - 2.5	0	0	4662	532	392	5586
2.6 - 3.0	0	0	4676	476	336	5488
3.1 - 3.5	0	0	0	1806	126	1932
3.6 - 4.0	0	0	0	2142	224	2366
4.1 - 4.5	0	0	0	812	70	882
4.6 - 5.0	0	0	0	1134	98	1232
5.1 - 6.0	0	0	0	0	882	882
6.1 AND OVER	0	0	0	0	1722	1722
NO INFORMATION	42	84	56	14	28	224
MEAN 1970	0.7	1.1	1.5	2.5	3.9	1.4
MEAN 1969	0.7	1.1	1.6	3.4	6.6	1.5
MEAN 1968	0.7	1.2	1.7	3.2	5.1	1.6
MEAN 1967	0.8	1.3	1.9	3.5	6.3	1.5

DURUM WHEAT
INSPECTED RECEIPTS, DESIGNATED STATES,
2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS

STATES	GRADES										SPECIAL GRADES			SUBCLASSES				
	NO. 1		NO. 2		NO. 3		NO. 4		NO. 5		SAMPLE GRADE	TOTAL NUMBER	TOUGH ILY	WEEV- LICKY	HARD AMBER DURUM		RED DURUM	
	NUMBER	HEAVY	NUMBER	HEAVY	NUMBER	HEAVY	NUMBER	HEAVY	NUMBER	HEAVY					NO.	NO.	NO.	NO.
MINNESOTA	172	150	112	224	30	100	54	16	44	902	22	6	0	682	186	34	0	0
MONTANA	258	58	68	22	26	2	28	6	0	468	16	0	0	386	58	24	0	0
NORTH DAKOTA	1590	1034	398	686	56	188	126	32	46	4156	62	0	0	3592	442	122	0	0
SOUTH DAKOTA	2	18	8	32	0	18	16	2	2	98	0	0	0	70	26	2	0	0
WISCONSIN	1140	556	666	970	94	178	122	14	118	3858	72	8	0	3510	296	52	0	0
ALL STATES	3162	1816	1252	1934	206	486	346	70	210	9482	172	14	0	8240	1008	234	0	0
% 1970 CROP YEAR	33.3	19.2	13.2	20.4	2.2	5.1	3.6	0.7	2.2	100.0	1.8	0.1	0.0	86.9	10.6	2.5	0.0	0.0
% 1969 CROP YEAR	32.7	14.0	11.3	24.8	1.7	9.2	3.3	1.1	2.0	100.0	2.5	0.0	0.0	88.0	8.8	3.2	0.0	0.0
% 1968 CROP YEAR	14.8	13.0	8.1	32.5	1.3	15.6	6.4	2.6	5.7	100.0	11.4	0.0	0.0	65.7	21.7	12.6	0.0	0.0
% 1967 CROP YEAR	11.1	9.0	13.3	38.2	2.3	13.6	3.8	0.3	8.5	100.0	0.3	0.0	0.0	99.7	0.3	0.0	0.0	0.0

DURUM WHEAT THE QUALITY OF THE 1970 CROP DURUM WHEAT AGAIN IMPROVED WITH 52 PERCENT U.S. NO. 1 AS COMPARED TO 48 PERCENT LAST YEAR. THE IMPROVED QUALITY WAS APPARENTLY DUE TO LOWER AMOUNT OF TOTAL DAMAGE. THERE WAS VERY LITTLE CHANGE IN SUB-CLASS DISTRIBUTION FROM THE PREVIOUS YEAR.

DURUM WHEAT TEST WEIGHT
PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS, 8Y GRADE
ALL STATES

POUNDS	GRADE										ALL GRADES			
	NO. 1 HEAVY	NO. 1 HEAVY	NO. 2 HEAVY	NO. 2 HEAVY	NO. 3 HEAVY	NO. 4	NO. 5	SAMPLE GRADE	ALL GRADES	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
65.0 - 68.0	26	0	2	0	4	0	2	0	34	0	0	0	0	34
62.0 - 64.9	3136	0	1250	0	202	0	98	10	4746	50	50	10	50	4746
60.0 - 61.9	0	1816	0	1640	0	332	138	26	4026	74	74	26	74	4026
59.0 - 59.9	0	0	0	228	0	102	48	10	428	40	40	10	40	428
58.0 - 58.9	0	0	0	66	0	30	28	8	144	12	12	8	12	144
57.0 - 57.9	0	0	0	0	0	16	14	8	52	14	14	8	14	52
56.0 - 56.9	0	0	0	0	0	6	2	0	10	2	2	0	2	10
51.0 - 53.9	0	0	0	0	0	0	0	8	14	6	6	8	6	14
54.0 - 55.9	0	0	0	0	0	0	16	0	28	12	12	0	12	28
MEAN 1970	62.8	61.1	62.6	60.7	62.6	60.3	60.5	59.2	61.7	59.9	59.9	59.2	59.9	61.7
MEAN 1969	63.2	61.2	62.8	60.5	62.8	59.8	60.3	59.3	61.7	59.2	59.2	59.3	59.2	61.7
*MEAN 1968	62.9	60.8	62.7	60.3	62.9	59.8	59.6	57.8	60.7	58.5	58.5	57.8	58.5	60.7
**MEAN 1967	62.8	60.8	62.5	60.6	62.4	60.0	60.2	59.5	61.1	60.6	60.6	59.5	60.6	61.1

* NORTH DAKOTA NOT INCLUDED

** NORTH DAKOTA AND SOUTH DAKOTA NOT INCLUDED

DURUM WHEAT
RANGE, AVERAGE PERCENTAGE CONTENT AND TOTAL NUMBER OF RECEIPTS FOR SPECIFIC GRADE FACTORS
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP AND 1969 CROP AVERAGE
ALL INSPECTIONS
ALL STATES **

QUALITY FACTOR	GRADE										SAMPLE GRADE		ALL GRADES	
	NO. 1 HEAVY	NO. 1 PCT.	NO. 1 NO.	NO. 2 HEAVY	NO. 2 PCT.	NO. 2 NO.	NO. 3 HEAVY	NO. 3 PCT.	NO. 3 NO.	NO. 4 PCT.	NO. 4 NO.	NO. 5 PCT.	NO. 5 NO.	PCT.
DOCKAGE														
HIGH	13.7	8.2	6.2	10.2	10.7	10.7	65.5	61.8	65.6	63.4	63.4	7.7	7.7	15.2
LOW	0.0	0.0	0.0	0.0	0.0	0.0	62.0	58.0	56.4	54.0	51.8	0.7	0.7	0.0
AVERAGE	2574	1624	1024	1686	184	184	206	206	486	346	210	62	62	8074
1969	1971	780	698	1388	105	105	132	132	720	255	155	56	56	5864
TEST WEIGHT *														
HIGH	65.8	61.8	65.1	61.8	65.5	65.5	62.0	61.8	61.8	65.6	63.4	63.4	63.4	65.8
LOW	62.0	60.0	62.0	58.0	62.0	62.0	62.0	62.0	62.0	60.5	59.2	51.4	51.4	51.4
AVERAGE	3162	1816	1252	1934	1934	1934	206	206	486	346	210	70	70	9482
1970	2573	1624	1024	1686	184	184	206	206	486	346	210	62	62	8074
1969	1971	780	698	1388	105	105	132	132	720	255	155	56	56	5864
1968	585	321	321	1290	51	51	62.9	61.8	61.8	65.6	63.4	63.4	63.4	65.8
1967	132	108	159	456	27	27	62.4	62.4	62.4	60.2	59.5	3	3	1194
MOISTURE														
HIGH	14.5	14.3	13.5	14.9	13.0	13.0	13.0	13.0	14.0	15.0	14.2	14.2	14.2	17.8
LOW	8.2	9.5	9.4	9.3	8.8	8.8	8.8	8.8	9.0	9.6	10.7	10.7	10.7	8.2
AVERAGE	2928	1778	1188	1920	184	184	212	212	484	326	210	66	66	9084
1970	2391	1068	822	1899	122	122	11.8	11.8	708	255	153	84	84	7502
1969	585	321	321	1290	51	51	62.9	61.8	61.8	65.6	63.4	63.4	63.4	65.8
1968	111	84	150	426	27	27	11.2	11.2	156	45	102	3	3	1104
1967														
TOTAL DAMAGE														
HIGH	1.6	1.6	3.2	4.0	6.6	6.6	6.6	6.6	7.0	10.0	15.0	15.0	15.0	87.0
LOW	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.5	0.5	0.5	0.0
AVERAGE	1062	600	1060	1760	154	154	154	154	466	274	186	70	70	5632
1970	477	375	608	1733	93	93	1.6	1.6	672	224	140	83	83	4403
1969	57	117	264	1209	36	36	1.4	1.4	600	252	228	102	102	2865
1968	69	33	120	393	24	24	1.1	1.1	147	36	102	3	3	927
1967														
FOREIGN MATERIAL														
HIGH	0.5	0.5	1.0	1.0	2.0	2.0	2.0	2.0	2.0	3.0	4.7	4.7	4.7	6.0
LOW	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.2	0.2	0.2	0.0
AVERAGE	1064	602	1108	1798	158	158	0.8	0.8	468	272	186	64	64	5720
1970	540	381	770	1821	105	105	1.0	1.0	675	222	141	84	84	4739
1969	57	117	282	1224	36	36	1.1	1.1	600	252	228	102	102	2898
1968	69	33	123	393	24	24	0.8	0.8	150	36	102	3	3	933
1967														
SHRUNKEN & BROKEN														
HIGH	2.7	2.6	4.7	4.9	5.6	5.6	5.6	5.6	6.3	7.8	4.2	4.2	4.2	7.8
LOW	0.0	0.0	0.4	0.0	0.7	0.7	0.7	0.7	0.6	0.0	1.0	1.0	1.0	0.0
AVERAGE	1068	602	1078	1788	152	152	2.3	2.3	468	268	186	64	64	5674
1970	542	381	699	1823	96	96	2.2	2.2	677	225	140	84	84	4665
1969	57	117	267	1230	36	36	2.0	2.0	600	252	228	102	102	2889
1968	69	33	144	435	24	24	2.6	2.6	153	36	102	3	3	999
1967														
TOTAL DEFECTS														
HIGH	3.0	3.0	5.0	5.0	7.7	7.7	7.7	7.7	8.0	12.0	18.0	18.0	18.0	89.5
LOW	0.0	0.0	1.3	0.0	1.6	1.6	1.6	1.6	1.7	0.0	4.2	4.2	4.2	0.0
AVERAGE	1064	600	1072	1786	152	152	4.6	4.6	468	268	186	64	64	5660
1970	539	381	672	1797	96	96	5.8	5.8	674	224	140	84	84	4605
1969														
CONTRASTING CLASSES														
HIGH	1.0	1.0	2.0	2.0	3.0	3.0	3.0	3.0	3.0	10.0	3.0	3.0	3.0	10.0
LOW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AVERAGE	50	60	282	306	108	108	2.4	2.4	144	204	44	20	20	1218
1970	59	41	201	288	60	60	2.2	2.2	131	123	29	17	17	947
1969														

* TEST WEIGHT IN POUNDS. ** 1968 NORTH DAKOTA NOT INCLUDED

DURUM WHEAT MOISTURE
PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS
ALL STATES

PERCENT	NO. 1 HEAVY NUMBER	NO. 1 NUMBER	NO. 2 HEAVY NUMBER	NO. 2 NUMBER	GRADE			NO. 4 NUMBER	NO. 5 NUMBER	SAMPLE GRADE NUMBER	ALL GRADES NUMBER
					NO. 2	NO. 3 HEAVY	NO. 3				
6.5 - 9.0	2	0	0	0	0	2	4	0	0	0	8
9.1 - 10.0	52	2	36	16	4	0	0	8	0	0	118
10.1 - 10.5	256	34	106	52	12	10	18	0	0	6	494
10.6 - 11.0	506	106	224	170	36	48	28	4	4	14	1136
11.1 - 11.5	656	196	304	250	58	68	56	2	2	22	1612
11.6 - 12.0	754	376	326	450	44	122	60	22	22	44	2198
12.1 - 12.5	406	350	130	372	18	100	60	16	16	36	1488
12.6 - 13.0	188	402	46	396	10	82	60	10	10	42	1236
13.1 - 13.5	92	244	16	164	0	40	28	8	8	30	622
13.6 - 14.0	14	60	0	30	0	10	0	2	2	6	122
14.1 - 14.5	2	8	0	18	0	0	6	2	2	4	40
14.6 - 15.0	0	0	0	2	0	0	2	0	0	2	6
15.1 - 16.0	0	0	0	0	0	0	0	0	0	2	2
16.1 AND OVER	0	0	0	0	0	0	0	0	0	2	2
NO INFORMATION	234	38	64	14	22	2	20	4	4	0	398
MEAN 1970	11.6	12.3	11.4	12.1	11.4	12.0	12.0	12.3	12.4	12.4	11.9
MEAN 1969	11.1	12.0	11.1	12.3	11.2	12.2	12.2	12.6	12.3	12.3	11.7
*MEAN 1968	12.0	12.5	11.8	12.4	11.8	12.6	13.0	13.2	12.7	12.7	12.4
**MEAN 1967	11.0	11.5	11.2	11.5	11.2	11.5	11.5	12.6	11.3	11.3	11.4

* 1968 NORTH DAKOTA NOT INCLUDED

** 1967 NORTH DAKOTA AND SOUTH DAKOTA NOT INCLUDED

OURUM WHEAT TOTAL DAMAGE
PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS
ALL STATES

PERCENT	NO. 1 HEAVY		NO. 1		NO. 2 HEAVY		NO. 2		GRADE NO. 3 HEAVY		NO. 3		NO. 4		NO. 5		SAMPLE GRADE		ALL GRADES	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
.0	4		8	2		12		0	2				2		0		2		32	
.1 - 1.0	988		560	796		1252		84	150				100		6		54		3990	
1.1 - 1.5	68		26	136		188		20	34				12		6		6		496	
1.6 - 2.0	2		6	72		174		8	40				8		4		4		318	
2.1 - 2.5	0		0	32		68		2	38				2		0		2		144	
2.6 - 3.0	0		0	18		48		2	44				8		0		2		122	
3.1 - 3.5	0		0	4		16		4	22				2		0		6		54	
3.6 - 4.0	0		0	0		2		10	46				2		0		2		62	
4.1 - 4.5	0		0	0		0		8	20				4		0		2		34	
4.6 - 5.0	0		0	0		0		10	36				6		0		2		54	
5.1 - 6.0	0		0	0		0		4	20				24		4		0		52	
6.1 - 7.0	0		0	0		0		2	14				32		0		2		50	
7.1 - 8.0	0		0	0		0		0	0				28		2		10		40	
8.1 - 10.0	0		0	0		0		0	0				44		12		4		60	
10.1 - 12.5	0		0	0		0		0	0				0		22		4		26	
12.6 - 15.0	0		0	0		0		0	0				0		14		12		26	
15.1 - 25.0	0		0	0		0		0	0				0		0		44		44	
25.1 AND OVER	0		0	0		0		0	0				0		0		28		28	
NO INFORMATION	2100	1216	192	174	52	20	72	3850												
MEAN 1970	0.6	0.6	0.9	1.0	1.8	2.4	4.2	13.1	8.9											
MEAN 1969	0.6	0.7	1.0	1.3	1.6	2.9	4.3	14.3	11.3											
*MEAN 1968	0.3	0.5	1.0	1.5	1.4	3.3	6.5	13.6	11.2											
**MEAN 1967	0.4	0.4	0.9	0.8	1.1	1.5	2.7	1.7	12.0											

* NORTH DAKOTA NOT INCLUDED
** NORTH DAKOTA AND SOUTH DAKOTA NOT INCLUDED

DURUM WHEAT FOREIGN MATERIAL
PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS
ALL STATES

PERCENT	NO. 1 HEAVY		NO. 1		NO. 2 HEAVY		NO. 2		GRADE NO. 3 HEAVY		NO. 3		NO. 4		NO. 5		SAMPLE GRADE		ALL GRADES	
	NUMBER		NUMBER		NUMBER		NUMBER		NUMBER		NUMBER		NUMBER		NUMBER		NUMBER		NUMBER	
	2	0.0	6	0	8	0	0	0	0	0	2	0	2	0	2	0	2	20	20	
0.1 - 0.5	1062		596	770	1458	78	304	196	44	4648							140	4648		
0.6 - 1.0	0		0	338	332	30	58	40	6	832							28	832		
1.1 - 1.5	0		0	0	0	34	66	2	0	106							4	106		
1.6 - 2.0	0		0	0	0	16	40	2	0	58							0	58		
2.1 - 2.5	0		0	0	0	0	0	20	0	26							6	26		
2.6 - 3.0	0		0	0	0	0	0	10	0	10							0	10		
3.1 - 3.5	0		0	0	0	0	0	0	0	0							0	0		
3.6 - 4.0	0		0	0	0	0	0	0	0	2							2	10		
4.1 - 4.5	0		0	0	0	0	0	0	0	0							0	0		
4.6 - 5.0	0		0	0	0	0	0	0	0	6							0	6		
5.1 - 6.0	0		0	0	0	0	0	0	0	4							0	4		
6.1 - 8.0	0		0	0	0	0	0	0	0	0							0	0		
8.1 - 10.0	0		0	0	0	0	0	0	0	0							0	0		
10.1 - 15.0	0		0	0	0	0	0	0	0	0							0	0		
NO INFORMATION	2098		1214	144	136	48	18	74	6	3762							24			
MEAN 1970	0.3		0.3	0.5	0.4	0.8	0.7	0.7	1.2	0.5							0.6	0.5		
MEAN 1969	0.3		0.3	0.5	0.4	1.0	0.6	0.9	1.1	0.5							0.7	0.5		
*MEAN 1968	0.2		0.2	0.5	0.4	1.1	0.5	0.6	0.6	0.5							0.5	0.5		
**MEAN 1967	0.3		0.2	0.4	0.4	0.8	0.5	0.8	0.5	0.4							0.4	0.4		

* NORTH DAKOTA NOT INCLUDED

** NORTH DAKOTA AND SOUTH DAKOTA NOT INCLUDED

DURUM WHEAT SHRUNKEN AND BROKEN KERNELS
PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS
ALL STATES

PERCENT	NO. 1 HEAVY		NO. 2 HEAVY		NO. 2		NO. 3 HEAVY		NO. 3		NO. 4		NO. 5		SAMPLE GRADE		ALL GRADES	
	NUMBER		NUMBER		NUMBER		NUMBER		NUMBER		NUMBER		NUMBER		NUMBER		NUMBER	
0.0	2		0		6		0		0		2		0		2		16	
0.1 - 1.0	208		50		60		6		32		14		4		20		478	
1.1 - 2.0	768		370		490		74		140		116		32		96		2496	
2.1 - 2.5	78		240		394		24		62		36		8		22		966	
2.6 - 3.0	12		248		474		18		70		46		6		22		898	
3.1 - 3.5	0		102		208		14		48		26		4		10		412	
3.6 - 4.0	0		54		132		4		40		16		6		4		256	
4.1 - 4.5	0		8		18		2		34		0		4		6		72	
4.6 - 5.0	0		6		6		8		22		6		0		0		48	
5.1 - 6.0	0		0		0		2		16		4		0		4		26	
6.1 - 7.0	0		0		0		0		4		0		0		0		4	
7.1 - 8.0	0		0		0		0		0		2		0		0		2	
8.1 - 9.0	0		0		0		0		0		0		0		0		0	
9.1 - 11.0	0		0		0		0		0		0		0		0		0	
11.1 - 12.0	0		0		0		0		0		0		0		0		0	
12.1 - 15.0	0		0		0		0		0		0		0		0		0	
15.1 - 20.0	0		0		0		0		0		0		0		0		0	
20.1 - 25.0	0		0		0		0		0		0		0		0		0	
25.1 AND OVER	0		0		0		0		0		0		0		0		0	
NO INFORMATION	2094		174		146		54		18		78		6		24		3808	
MEAN 1970	1.5		2.3		2.5		2.3		2.7		2.3		2.2		2.1		2.2	
MEAN 1969	1.5		2.4		2.2		2.2		2.3		2.0		1.7		1.9		2.1	
*MEAN 1968	1.4		2.1		2.1		2.0		2.1		1.7		1.7		1.9		2.0	
**MEAN 1957	1.9		2.6		2.8		2.6		3.8		2.8		2.2		2.8		2.8	

* NORTH DAKOTA NOT INCLUDED
** NORTH DAKOTA AND SOUTH DAKOTA NOT INCLUDED

DURUM WHEAT TOTAL DEFECTS
PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS
ALL STATES

PERCENT	NO. 1 HEAVY		NO. 2		GRADE		NO. 3		NO. 4		NO. 5		SAMPLE GRADE NUMBER	ALL GRADES NUMBER
	NUMBER		NUMBER		NO. 2 HEAVY	NUMBER	NO. 3 HEAVY	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER		
0.0	2		0		0	6	0		2		0		2	16
0.1 - 1.0	2		0		0	0	0		0		0		0	2
1.1 - 2.0	266		10		6	6	4		4		0		4	378
2.1 - 2.5	324		44		20	20	2		12		0		12	602
2.6 - 3.0	470		82		72	72	20		26		0		26	1026
3.1 - 3.5	0		372		462	462	12		14		0		4	882
3.6 - 4.0	0		342		656	656	26		16		0		8	1086
4.1 - 4.5	0		164		300	300	18		12		2		6	526
4.6 - 5.0	0		58		264	264	12		26		2		4	386
5.1 - 6.0	0		0		0	0	34		10		0		2	214
6.1 - 7.0	0		0		0	0	16		6		6		4	146
7.1 - 8.0	0		0		0	0	8		10		4		8	110
8.1 - 9.0	0		0		0	0	0		42		4		6	52
9.1 - 11.0	0		0		0	0	0		56		0		8	64
11.1 - 12.0	0		0		0	0	0		32		0		4	36
12.1 - 15.0	0		0		0	0	0		0		32		4	36
15.1 - 20.0	0		0		0	0	0		0		14		20	34
20.1 - 25.0	0		0		0	0	0		0		0		20	20
25.1 AND OVER	0		0		0	0	0		0		0		44	44
NO INFORMATION	2098	1216	180	148	54	18	78	6	3822					
MEAN 1970	2.4	2.5	3.6	3.8	4.6	5.8	6.9	12.2	15.8				4.2	
MEAN 1969	2.4	2.6	3.7	3.9	4.6	5.8	7.1	14.0	17.0				4.6	
*MEAN 1968	1.9	1.6	3.6	3.9	4.5	5.9	8.9	13.5	16.0				5.9	
**MEAN 1967	2.7	2.7	3.8	3.8	4.5	5.9	6.3	14.7	4.8				4.3	

* NORTH DAKOTA NOT INCLUDED

** NORTH DAKOTA AND SOUTH DAKOTA NOT INCLUDED

HARD RED SPRING WHEAT
INSPECTED RECEIPTS, DESIGNATED STATES,
2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS

STATES	GRADES										SPECIAL GRADES				'SUBCLASSES	
	NO. 1 HEAVY	NO. 1 NUMBER	NO. 2 HEAVY	NO. 2 NUMBER	NO. 3 HEAVY	NO. 3 NUMBER	NO. 4 NUMBER	NO. 5 NUMBER	SAMPLE GRADE	TOTAL NUMBER	TOUGH NUMBER	WEEV- ILY NUMBER	GAR- LICKY NUMBER	DARK NORTH. SPRING NUMBER	NORTH. SPRING NUMBER	RED SPRING NUMBER
IDAHO	64	16	12	8	12	12	8	0	4	136	4	4	0	132	4	0
IOWA	8	24	0	96	0	68	4	4	8	212	0	0	0	212	0	0
MINNESOTA	1756	1924	532	1848	48	528	96	32	72	6836	288	0	0	6724	112	0
MONTANA	3216	156	492	48	104	16	40	12	36	4120	112	0	0	4112	8	0
NORTH DAKOTA	4732	1784	512	1220	72	144	68	16	32	8580	228	0	0	7708	872	0
OREGON	0	0	4	0	0	0	0	0	0	4	0	0	0	0	4	0
SOUTH DAKOTA	156	408	100	1068	4	404	32	8	8	2188	0	8	0	1900	288	0
WASHINGTON	12	4	0	20	0	8	0	0	0	44	0	0	0	44	0	0
WISCONSIN	3144	1040	932	840	128	212	56	12	80	6444	300	8	0	6396	48	0
ALL STATES	13088	5356	2584	5148	368	1392	304	84	240	28564	932	20	0	27228	1336	0
% 1970 CROP YEAR	45.8	18.8	9.0	18.0	1.3	4.9	1.1	0.3	0.8	100.0	3.3	0.1	0.0	95.3	4.7	0.0
% 1969 CROP YEAR	54.0	16.3	12.3	11.3	1.0	3.3	1.0	0.2	0.5	100.0	1.2	0.0	0.0	95.3	4.7	0.0
% 1968 CROP YEAR	24.2	33.6	7.1	24.6	1.3	6.9	0.8	0.6	0.8	100.0	14.7	0.1	0.0	94.1	5.9	0.0
% 1967 CROP YEAR	33.0	12.1	22.9	19.8	2.8	6.9	1.4	0.1	1.0	100.0	0.7	0.0	0.0	99.7	0.3	0.0

* IDAHO AND NORTH DAKOTA NOT INCLUDED

HARD RED SPRING WHEAT. THE QUALITY OF THE 1970 CROP HARD RED SPRING WHEAT WAS GOOD BUT NOT AS GOOD AS 1969, HOWEVER IT WAS BETTER THAN FOR 1968 AND 1967. THERE WAS 65 PERCENT GRADING U.S. NO. 1 COMPARED WITH 70 PERCENT LAST YEAR. THE TEST WEIGHT WAS DOWN AND TOTAL DEFECTS WERE SLIGHTLY HIGHER THAN LAST YEAR. THE DISTRIBUTION BY SUB-CLASS WAS THE SAME AS LAST YEAR.

HARD RED SPRING WHEAT
RANGE, AVERAGE PERCENTAGE CONTENT AND TOTAL NUMBER OF RECEIPTS FOR SPECIFIC GRADE FACTORS
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP AND 1969 CROP AVERAGE
ALL INSPECTIONS
ALL STATES **

QUALITY FACTOR	GRADE										ALL GRADES	
	NO. 1 HEAVY	NO. 1 PCT.	NO. 1 PCT.	NO. 2 HEAVY	NO. 2 PCT.	NO. 2 PCT.	NO. 3 HEAVY	NO. 3 PCT.	NO. 3 PCT.	NO. 4	NO. 5	PCT.
DOCKAGE												
HIGH	15.2	11.7	19.2	9.2	11.7	12.7	5.7	11.2	16.2	19.2		
LOW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
AVERAGE	11628	4912	2380	4692	1.7	1304	280	84	216	25848		
	1969	8625	2775	2094	1.8	621	177	42	78	16602		
TEST WEIGHT *												
HIGH	64.8	59.9	64.0	59.8	63.7	59.8	63.6	62.0	62.5	64.8		
LOW	60.0	58.0	60.0	57.0	60.0	55.0	53.5	50.0	53.0	50.0		
AVERAGE	13088	5356	2584	5148	368	1392	304	84	240	28564		
	1970	10443	3144	2193	201	645	195	42	102	19341		
	1969	3468	4818	3528	186	984	120	90	114	14322		
	1968	2298	846	1380	192	480	96	6	72	6966		
	1967											
MOISTURE												
HIGH	14.7	16.7	13.8	18.5	15.6	15.4	15.6	16.8	14.4	18.5		
LOW	8.5	9.2	9.0	8.7	9.9	9.1	9.2	9.8	9.3	8.5		
AVERAGE	9980	5236	2096	5080	292	1356	268	72	212	24592		
	1970	9270	2919	1872	135	486	150	30	102	16863		
	1969	3468	4818	3528	186	984	120	90	114	14322		
	1968	1878	594	1068	174	294	54	0	72	5652		
	1967											
TOTAL DAMAGE												
HIGH	1.8	1.6	3.7	4.0	6.4	6.9	10.0	15.0	50.0	50.0		
LOW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
AVERAGE	3388	1544	1820	3892	260	1136	236	76	176	12528		
	1970	2634	1143	1494	102	444	126	27	54	7431		
	1969	642	1242	2544	138	804	96	78	108	6474		
	1968	816	282	360	84	114	42	0	66	2580		
	1967											
FOREIGN MATERIAL												
HIGH	0.5	0.5	1.0	1.0	2.0	2.0	3.0	5.0	7.0	7.0		
LOW	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.0		
AVERAGE	3472	1564	2156	4208	220	1196	232	68	144	13260		
	1970	2907	1197	1683	138	447	129	30	60	8436		
	1969	642	1260	2910	156	852	96	90	108	7062		
	1968	864	426	564	102	192	48	0	66	3258		
	1967											
SHRUNKEN & BROKEN												
HIGH	2.8	2.9	4.8	5.0	7.6	7.6	11.2	8.0	4.5	11.2		
LOW	0.0	0.0	0.0	0.0	0.8	0.0	0.7	0.6	0.8	0.0		
AVERAGE	3508	1580	2076	4328	216	1212	236	64	144	13364		
	1970	2925	1197	1998	159	573	165	39	63	9159		
	1969	642	1260	2802	150	852	96	90	108	6888		
	1968	870	456	1302	168	390	78	6	66	4908		
	1967											
TOTAL DEFECTS												
HIGH	3.0	3.0	5.0	5.0	8.0	8.0	12.0	16.2	36.6	36.6		
LOW	0.0	0.0	0.0	0.0	1.7	0.0	1.1	3.0	1.5	0.0		
AVERAGE	3508	1576	1808	4044	204	1184	228	64	144	12760		
	1970	2922	1197	1608	120	450	135	30	60	8085		
	1969											
CONTRASTING CLASSES												
HIGH	1.0	1.0	2.0	2.0	3.0	3.0	7.0	0.0	4.0	7.0		
LOW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
AVERAGE	196	428	256	1128	84	444	96	8	12	2652		
	1970	459	312	387	45	105	72	3	6	1644		
	1969											

* TEST WEIGHT IN POUNDS.

** 1968 IDAHO AND NORTH DAKOTA NOT INCLUDED

HARD RED SPRING WHEAT TEST WEIGHT
FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS
ALL STATES

POUNDS	GRADE										ALL GRADES NUMBER
	NO. 1 HEAVY NUMBER	NO. 1 NUMBER	NO. 2 HEAVY NUMBER	NO. 2 NUMBER	NO. 3 HEAVY NUMBER	NO. 3 NUMBER	NO. 4 NUMBER	NO. 5 NUMBER	SAMPLE GRADE NUMBER		
65.0 - 68.0	0	0	0	0	0	0	0	0	0	0	
62.0 - 64.9	3584	0	336	0	88	0	12	4	4	4028	
60.0 - 61.9	9504	0	2248	0	280	0	80	12	68	12192	
59.0 - 59.9	0	3384	0	1812	0	248	72	20	48	5584	
58.0 - 58.9	0	1972	0	1564	0	192	24	12	48	3812	
57.0 - 57.9	0	0	0	1772	0	208	24	16	28	2048	
56.0 - 56.9	0	0	0	0	0	600	28	4	20	652	
55.0 - 55.9	0	0	0	0	0	144	0	4	8	156	
54.0 - 54.9	0	0	0	0	0	0	56	0	12	68	
53.0 - 53.9	0	0	0	0	0	0	8	0	4	12	
52.0 - 52.9	0	0	0	0	0	0	0	8	0	8	
51.0 - 51.9	0	0	0	0	0	0	0	0	0	0	
50.0 - 50.9	0	0	0	0	0	0	0	4	0	4	
49.0 - 49.9	0	0	0	0	0	0	0	0	0	0	
45.0 - 48.9	0	0	0	0	0	0	0	0	0	0	
NO INFORMATION	0	0	0	0	0	0	0	0	0	0	
MEAN 1970	61.3	59.0	60.9	58.4	61.1	57.2	58.3	57.6	58.6	60.0	
MEAN 1969	61.4	59.3	61.1	59.0	61.1	57.8	58.3	56.3	59.7	60.6	
**MEAN 1968	60.8	58.9	60.7	58.2	61.0	57.1	57.3	57.8	57.6	59.2	
**MEAN 1967	61.2	59.1	60.9	58.8	60.8	57.5	56.7	59.0	59.7	60.0	

* 1968 IDAHO AND NORTH DAKOTA NOT INCLUDED

** 1967 IDAHO, MINNESOTA, NORTH DAKOTA, AND SOUTH DAKOTA NOT INCLUDED

HARD RED SPRING WHEAT MOISTURE
PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS
ALL STATES

PERCENT	GRADE					NO. 5 NUMBER	NO. 4 NUMBER	NO. 3 NUMBER	NO. 2 NUMBER	NO. 1 NUMBER	NO. 1 HEAVY NUMBER	NO. 2 HEAVY NUMBER	NO. 3 HEAVY NUMBER	SAMPLE GRADE NUMBER	ALL GRADES NUMBER
	NO. 1 HEAVY NUMBER	NO. 1 NUMBER	NO. 2 HEAVY NUMBER	NO. 2 NUMBER	NO. 3 HEAVY NUMBER										
6.5 - 9.0	8	0	4	8	0	0	0	0	0	0	0	0	0	0	20
9.1 - 10.0	284	72	116	260	8	116	8	116	8	4	4	4	4	4	872
10.1 - 10.5	880	252	232	436	28	156	12	156	12	0	4	4	4	4	2000
10.6 - 11.0	1608	584	408	1000	20	292	24	292	24	16	8	8	8	8	3960
11.1 - 11.5	1888	892	456	1120	64	204	32	204	32	12	28	28	28	28	4696
11.6 - 12.0	1956	1096	384	1080	52	240	88	240	88	4	40	40	40	40	4940
12.1 - 12.5	1468	744	248	544	28	124	40	124	40	4	40	40	40	40	3240
12.6 - 13.0	1104	660	176	264	20	104	16	104	16	0	36	36	36	36	2380
13.1 - 13.5	600	524	56	192	52	68	28	68	28	8	24	24	24	24	1552
13.6 - 14.0	124	204	16	72	12	40	16	40	16	8	12	12	12	12	504
14.1 - 14.5	36	116	0	64	4	0	0	0	0	4	16	16	16	16	240
14.6 - 15.0	24	68	0	24	4	8	0	8	0	4	0	0	0	0	132
15.1 - 16.0	0	16	0	8	0	4	4	4	4	4	0	0	0	0	36
16.1 AND OVER	0	8	0	8	0	0	0	0	0	4	0	0	0	0	20
NO INFORMATION	3108	120	488	68	76	36	36	36	36	12	28	28	28	28	3972
MEAN 1970	11.7	12.1	11.4	11.5	12.0	11.5	12.0	11.5	12.0	12.7	12.4	12.4	12.4	12.4	11.7
MEAN 1969	11.3	11.9	11.2	11.5	11.4	11.9	11.9	11.9	11.9	12.0	11.7	11.7	11.7	11.7	11.4
*MEAN 1968	12.2	12.8	11.9	12.6	11.9	12.5	12.2	12.5	12.2	11.9	12.6	12.6	12.6	12.6	12.5
**MEAN 1967	11.4	11.5	11.0	10.9	11.3	11.0	12.1	11.0	12.1	0.0	11.7	11.7	11.7	11.7	11.2

* 1968 IDAHO AND NORTH DAKOTA NOT INCLUDED

** 1967 IDAHO, MINNESOTA, NORTH DAKOTA, AND SOUTH DAKOTA NOT INCLUDED

HARD RED SPRING WHEAT TOTAL DAMAGE
PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS
ALL STATES

PERCENT	NO. 1 HEAVY NUMBER	NO. 1 NUMBER	NO. 2 HEAVY NUMBER	GRADE			NO. 3 HEAVY NUMBER	NO. 4 NUMBER	NO. 5 NUMBER	SAMPLE GRADE NUMBER	ALL GRADES NUMBER
				NO. 2 NUMBER	NO. 3 NUMBER	NO. 3 NUMBER					
.0	96	244	168	760	16	216	12	4	8	1524	
.1 - 1.0	3268	1268	1400	2844	128	772	104	24	60	9868	
1.1 - 1.5	20	28	68	72	4	16	4	0	4	216	
1.6 - 2.0	4	4	52	100	4	28	16	0	0	208	
2.1 - 2.5	0	0	60	56	0	16	0	0	8	140	
2.6 - 3.0	0	0	40	16	4	12	4	0	4	80	
3.1 - 3.5	0	0	28	28	8	8	0	0	0	72	
3.6 - 4.0	0	0	4	16	4	16	8	4	0	52	
4.1 - 4.5	0	0	0	0	8	20	0	0	0	28	
4.6 - 5.0	0	0	0	0	32	16	0	0	0	48	
5.1 - 6.0	0	0	0	0	40	12	8	0	0	60	
6.1 - 7.0	0	0	0	0	12	4	8	0	12	36	
7.1 - 8.0	0	0	0	0	0	0	32	0	0	32	
8.1 - 10.0	0	0	0	0	0	0	40	0	8	48	
10.1 - 12.5	0	0	0	0	0	0	0	32	0	32	
12.6 - 15.0	0	0	0	0	0	0	0	12	4	16	
15.1 - 25.0	0	0	0	0	0	0	0	0	36	36	
25.1 AND OVER	0	0	0	0	0	0	0	0	32	32	
NO INFORMATION	9700	3812	764	1256	108	256	68	8	64	16036	
MEAN 1970	0.4	0.4	0.6	0.4	2.4	0.7	3.5	7.3	11.8	0.8	
MEAN 1969	0.4	0.4	0.6	0.8	0.8	1.1	1.9	2.6	8.5	0.7	
*MEAN 1968	0.1	0.3	0.5	0.7	1.0	1.1	1.0	2.4	4.9	0.7	
**MEAN 1967	0.6	0.5	1.3	0.8	3.1	1.2	6.2	0.0	4.0	1.1	

* 1968 IDAHO AND NORTH DAKOTA NOT INCLUDED
** 1967 IDAHO, MINNESOTA, NORTH DAKOTA, AND SOUTH DAKOTA NOT INCLUDED

HARD RED SPRING WHEAT FOREIGN MATERIAL
PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS
ALL STATES

PERCENT	NO. 1 HEAVY		NO. 2 HEAVY		NO. 2		NO. 3 HEAVY		NO. 4		NO. 5		SAMPLE GRADE NUMBER	ALL GRADES NUMBER
	NUMBER	NO. 1 NUMBER	NUMBER	NO. 2 NUMBER	NUMBER	NO. 2 NUMBER	NUMBER	NO. 3 NUMBER	NUMBER	NO. 4 NUMBER	NUMBER	NO. 5 NUMBER		
0.0	60	204	4	80	0	20	4	4	4	4	4	4	0	376
0.1 - 0.5	3412	1360	1376	3156	112	772	116	40	40	40	40	40	112	10456
0.6 - 1.0	0	0	776	972	8	184	40	24	24	24	24	24	0	2008
1.1 - 1.5	0	0	0	0	64	160	8	0	0	0	0	0	0	232
1.6 - 2.0	0	0	0	0	36	60	4	0	0	0	0	0	0	100
2.1 - 2.5	0	0	0	0	0	32	0	0	0	0	0	0	0	32
2.6 - 3.0	0	0	0	0	0	28	0	0	0	0	0	0	0	28
3.1 - 3.5	0	0	0	0	0	12	0	0	12	0	12	0	0	12
3.6 - 4.0	0	0	0	0	0	4	0	0	4	0	4	0	0	4
4.1 - 4.5	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4.6 - 5.0	0	0	0	0	0	4	0	0	4	0	4	0	0	4
5.1 - 6.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6.1 - 8.0	0	0	0	0	0	0	0	0	0	0	0	0	8	8
8.1 - 10.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.1 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NO INFORMATION	9616	3792	428	940	148	196	72	16	16	16	16	16	96	15304
MEAN 1970	0.3	0.3	0.5	0.4	0.9	0.6	1.1	1.4	1.4	1.4	1.4	1.4	0.7	0.4
MEAN 1969	0.3	0.3	0.5	0.5	1.1	0.7	1.1	2.7	2.7	2.7	2.7	2.7	0.9	0.4
*MEAN 1968	0.2	0.3	0.5	0.5	1.2	0.6	1.0	2.7	2.7	2.7	2.7	2.7	0.9	0.5
**MEAN 1967	0.3	0.3	0.4	0.4	0.4	0.5	0.6	0.0	0.0	0.0	0.0	0.0	0.5	0.4

* 1968 IDAHO AND NORTH DAKOTA NOT INCLUDED

** 1967 IDAHO, MINNESOTA, NORTH DAKOTA, AND SOUTH DAKOTA NOT INCLUDED

HARD RED SPRING WHEAT SHRUNKEN AND BROKEN KERNELS
PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS
ALL STATES

PERCENT	NO. 1 HEAVY	NO. 1 NUMBER	NO. 2 HEAVY	NO. 2 NUMBER	GRADE		NO. 3 HEAVY	NO. 3 NUMBER	NO. 4 NUMBER	NO. 5 NUMBER	SAMPLE GRADE NUMBER	ALL GRADES NUMBER
					NO. 2	NO. 3						
0.0	56	204	8	92	0	20	0	0	0	0	0	380
0.1 - 1.0	524	176	20	56	8	32	12	16	20	20	16	864
1.1 - 2.0	2388	772	300	392	88	120	68	16	16	16	60	4204
2.1 - 2.5	492	348	308	392	36	60	48	8	8	8	32	1724
2.6 - 3.0	48	80	684	1276	24	156	24	12	12	12	8	2312
3.1 - 3.5	0	0	424	1052	8	180	16	0	0	0	8	1688
3.6 - 4.0	0	0	236	720	0	156	8	0	0	0	12	1132
4.1 - 4.5	0	0	80	288	0	108	8	0	0	0	8	492
4.6 - 5.0	0	0	16	60	24	164	8	0	0	0	0	272
5.1 - 6.0	0	0	0	0	20	164	4	0	0	0	0	188
6.1 - 7.0	0	0	0	0	0	44	12	4	4	4	0	60
7.1 - 8.0	0	0	0	0	8	8	8	4	4	4	0	28
8.1 - 9.0	0	0	0	0	0	0	12	0	0	0	0	12
9.1 - 11.0	0	0	0	0	0	0	4	0	0	0	0	4
11.1 - 12.0	0	0	0	0	0	0	4	0	0	0	0	4
12.1 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
15.1 - 20.0	0	0	0	0	0	0	0	0	0	0	0	0
20.1 - 25.0	0	0	0	0	0	0	0	0	0	0	0	0
25.1 AND OVER	0	0	0	0	0	0	0	0	0	0	0	0
NO INFORMATION	9580	3776	508	820	152	180	68	20	20	20	96	15200
MEAN 1970	1.6	1.5	2.8	3.0	2.8	3.7	3.4	2.4	2.4	2.4	2.2	2.5
MEAN 1969	1.5	1.4	2.7	2.8	3.2	3.4	3.9	4.5	4.5	4.5	2.0	2.2
*MEAN 1968	1.2	1.3	2.6	2.3	2.4	2.4	1.9	2.8	2.8	2.8	2.3	2.1
**MEAN 1967	1.6	1.8	2.9	3.4	4.3	4.5	4.6	14.0	14.0	14.0	2.2	2.9

* 1968 IDAHO AND NORTH DAKOTA NOT INCLUDED
** 1967 IDAHO, MINNESOTA, NORTH DAKOTA, AND SOUTH DAKOTA NOT INCLUDED

HARD RED WINTER WHEAT
INSPECTED RECEIPTS, DESIGNATED STATES,
2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS

STATES	GRADES										SPECIAL GRADES				SUBCLASSES									
	NO. 1 HEAVY		NO. 2 HEAVY		NO. 3 HEAVY		NO. 4		NO. 5		SAMPLE GRADE		TOTAL		TOUGH		WEEV- ILY		GAR- LUCKY		DARK HARD WINTER		YELLOW HARD WINTER	
	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	
CALIFORNIA	1712	304	104	64	32	24	0	8	8	2256	0	0	0	0	0	0	0	1936	304	16	16			
IDAHO	232	136	56	112	24	32	0	16	0	608	0	0	0	0	0	0	0	344	216	48	48			
ILLINOIS	168	440	8	136	0	40	0	0	0	792	112	8	24	0	0	0	0	0	8	784	784			
KANSAS	14752	13432	3232	5488	40	216	32	0	120	37312	5256	8	0	4648	22048	10616	10616							
MISSOURI	1632	1600	552	840	48	80	24	8	16	4800	672	16	0	808	2376	1616	1616							
MONTANA	1808	488	248	160	56	56	8	0	0	2824	24	0	0	2344	424	56	56							
NEBRASKA	5760	2008	1080	552	104	72	56	24	48	9704	112	16	0	648	8000	1056	1056							
NORTH DAKOTA	264	312	16	72	0	16	0	0	0	680	0	0	0	608	72	0	0							
OKLAHOMA	4712	5104	992	2544	112	360	104	56	8	13992	1080	0	0	1544	8440	4008	4008							
OREGON	200	216	64	128	16	56	8	8	8	704	0	0	0	216	368	120	120							
SOUTH DAKOTA	208	952	56	1160	32	344	64	16	48	2880	8	8	0	1680	1096	104	104							
TEXAS	2728	1712	624	848	72	72	8	0	0	6064	96	0	0	5160	840	64	64							
UTAH	1648	1048	624	904	440	408	184	88	64	5408	64	0	0	4472	800	136	136							
WASHINGTON	936	840	136	288	24	32	24	0	32	2312	0	0	0	688	1120	504	504							
ALL STATES	36760	28592	7792	13296	1000	1808	512	224	352	90336	7424	56	24	25096	46112	19128	19128							
% 1970 CROP YEAR	40.7	31.7	8.6	14.7	1.1	2.0	0.6	0.2	0.4	100.0	8.2	0.1	0.0	27.8	51.0	21.2	21.2							
% 1969 CROP YEAR	31.6	32.7	6.0	24.4	0.7	3.5	0.6	0.2	0.4	100.0	10.4	0.0	0.0	20.8	40.7	38.5	38.5							
*** 1968 CROP YEAR	44.3	28.5	9.7	11.7	1.6	2.7	0.7	0.3	0.4	100.0	12.6	0.0	0.1	21.0	50.3	28.8	28.8							
% 1967 CROP YEAR	19.9	40.5	4.2	28.6	1.1	4.0	0.8	0.4	0.4	100.0	31.5	0.1	0.1	34.9	47.4	17.7	17.7							
*** COLORADO	629	18	1	649	1	1	1	1	1	649	649	1	1	649	649	649	649							

* 1969 AND 1970 COLORADO NOT INCLUDED
** 1968 COLORADO, IDAHO, AND WASHINGTON NOT INCLUDED
*** INFORMATION NOT AVAILABLE ON SPECIAL GRADES AND SUBCLASSES

HARD RED WINTER WHEAT THE QUALITY OF THE 1970 CROP WAS IMPROVED OVER LAST YEAR AND ABOUT THE SAME AS THE 1968 CROP; 73 PERCENT GRADED U.S. NO. 1 COMPARED WITH 64 PERCENT IN 1969 AND 73 PERCENT IN 1968. THE SUB-CLASSES SHOWED ONLY 22 PERCENT YELLOW HARD WINTER AS COMPARED TO 38 PERCENT LAST YEAR.

HARD RED WINTER WHEAT
RANGE, AVERAGE PERCENTAGE CONTENT AND TOTAL NUMBER OF RECEIPTS FOR SPECIFIC GRADE FACTORS
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP AND 1969 CROP AVERAGE
ALL INSPECTIONS
ALL STATES ***

QUALITY FACTOR	GRADE										SAMPLE GRADE		ALL GRADES	
	NO. 1 HEAVY	NO. 1 PCT.	NO. 2 HEAVY	NO. 2 PCT.	NO. 3 HEAVY	NO. 3 PCT.	NO. 4 PCT.	NO. 5 PCT.	NO. 6 PCT.	NO. 7 PCT.	NO. 8 PCT.	NO. 9 PCT.	NO.	PCT.
DOCKAGE														
HIGH		8.2		5.2		61.9		64.6		65.0		61.9		63.3
LOW		0.0		0.0		0.0		0.0		0.0		0.0		0.0
AVERAGE	1970 10688	0.8 11632	0.9 4640	0.8 9136	0.9 776	1.0 1432	1.4 376	1.3 184	0.9 232	1.1 232	1.1 240	1.1 240	39096	0.9
	1969 8200	0.8 10140	0.9 3360	0.9 12930	0.9 490	1.0 2490	1.2 400	1.2 120	1.5 240	1.7 240	1.7 240	1.7 240	38370	0.9
TEST WEIGHT *														
HIGH		66.0		61.9		61.9		64.6		65.0		61.9		63.3
LOW		62.0		60.0		58.0		62.0		62.0		56.0		59.2
AVERAGE	1970 36760	62.8 28568	61.1 7792	62.6 13296	60.4 1000	62.6 1808	60.2 512	61.1 224	61.4 352	61.3 352	61.3 352	61.3 352	90312	61.8
	1969 32590	63.0 33730	61.1 6180	62.7 25170	60.0 730	62.8 3660	59.0 570	61.2 250	61.2 390	60.7 390	60.7 390	60.7 390	103270	61.5
	1968 41980	62.7 27010	61.1 9220	62.6 11070	60.3 1490	62.6 2560	59.4 700	59.2 280	59.2 390	60.8 390	60.8 390	60.8 390	94700	61.8
	1967 18760	62.7 38270	60.8 3970	62.8 27010	59.4 1010	62.8 3820	58.4 770	60.3 390	60.0 400	60.4 400	60.4 400	60.4 400	94400	60.8
MOISTURE														
HIGH		15.8		16.8		17.7		14.8		13.3		16.0		13.2
LOW		6.5		7.9		8.0		7.9		8.1		7.6		8.6
AVERAGE	1970 32152	11.7 26112	12.5 6720	11.3 11936	12.0 440	11.8 1344	11.8 336	11.9 104	11.8 152	11.3 256	11.3 256	11.3 256	79400	12.0
	1969 26310	12.1 31520	12.6 4890	11.5 23710	12.1 340	11.5 3050	12.3 280	12.1 110	12.4 230	12.6 230	12.6 230	12.6 230	90440	12.3
	1968 40770	12.3 26270	12.9 8750	11.7 10330	12.7 1250	11.7 1810	12.5 340	12.6 180	12.4 360	12.5 360	12.5 360	12.5 360	90100	12.5
	1967 14500	12.4 36560	13.4 2100	11.2 25760	13.4 310	10.9 3350	13.3 530	13.0 200	13.2 280	13.2 280	13.2 280	13.2 280	83590	13.1
TOTAL DAMAGE														
HIGH		1.8		1.8		3.0		4.0		5.2		5.0		19.7
LOW		0.0		0.0		0.0		0.0		0.0		0.0		0.0
AVERAGE	1970 7760	0.4 11288	0.4 3560	0.7 6784	0.6 312	1.7 816	0.9 224	3.9 88	8.8 152	3.9 152	3.9 152	3.9 152	30984	0.6
	1969 6550	0.5 10150	0.4 2750	0.6 11530	0.6 220	1.0 1930	1.1 250	2.3 80	4.5 210	8.8 210	8.8 210	8.8 210	33670	0.6
	1968 16050	0.5 12420	0.5 5380	0.7 6810	0.8 830	1.9 1630	1.8 420	7.8 160	7.8 300	7.4 300	7.4 300	7.4 300	44000	0.8
	1967 9470	0.4 28120	0.6 1040	1.0 20130	0.8 170	2.6 2600	1.5 450	5.2 160	9.1 240	10.0 240	10.0 240	10.0 240	62380	0.8
FOREIGN MATERIAL														
HIGH		0.5		0.5		1.0		1.0		2.0		2.0		9.6
LOW		0.0		0.0		0.0		0.0		0.1		0.1		0.0
AVERAGE	1970 11992	0.2 14816	0.2 4560	0.3 8912	0.3 824	1.1 1456	1.0 432	1.7 192	3.5 272	4.0 272	4.0 272	4.0 272	43456	0.3
	1969 9420	0.2 16630	0.2 3690	0.3 16710	0.3 510	1.0 2880	0.6 460	1.6 240	3.4 310	2.7 310	2.7 310	2.7 310	50850	0.3
	1968 17410	0.2 13980	0.2 6830	0.2 7450	0.3 1150	0.6 1490	0.7 460	1.6 170	3.0 310	1.9 310	1.9 310	1.9 310	49250	0.3
	1967 9390	0.1 25540	0.2 2290	0.5 19830	0.2 700	1.2 2920	0.5 660	1.6 370	2.7 340	3.2 340	3.2 340	3.2 340	62040	0.3
SHRUNKEN & BROKEN														
HIGH		3.0		3.0		5.0		5.0		7.6		8.0		10.4
LOW		0.0		0.0		0.0		0.0		0.0		0.0		0.0
AVERAGE	1970 31768	1.9 26752	1.8 7576	3.1 13032	2.8 928	3.3 1728	3.5 504	3.3 216	2.8 344	2.9 344	2.9 344	2.9 344	82848	2.2
	1969 24180	1.6 30630	1.8 6050	3.2 24400	2.6 670	3.1 3540	3.0 550	3.4 230	3.0 370	2.7 370	2.7 370	2.7 370	90620	2.1
	1968 35750	1.6 24480	1.5 9140	3.3 10670	2.5 1450	3.7 2520	2.6 680	3.9 270	3.2 390	2.5 390	2.5 390	2.5 390	85350	1.9
	1967 12300	1.4 34160	1.3 3670	3.1 26270	1.7 890	3.3 3680	2.2 730	2.8 370	2.5 330	2.1 330	2.1 330	2.1 330	82400	1.6
TOTAL DEFECTS														
HIGH		3.0		3.0		5.0		5.0		8.0		8.0		22.1
LOW		0.0		0.0		0.0		0.0		0.0		0.0		0.0
AVERAGE	1970 30480	2.1 25856	2.1 7272	3.6 12336	3.3 800	4.9 1552	4.7 480	6.3 216	9.1 336	7.8 336	7.8 336	7.8 336	79328	2.5
	1969 22510	1.9 29540	2.0 5800	3.7 23850	3.0 610	4.6 3410	4.0 530	5.7 230	7.9 350	10.3 350	10.3 350	10.3 350	86830	2.5
	1968 34760	1.9 23700	1.9 8830	3.8 10080	3.2 1340	5.2 2170	4.3 610	7.8 250	9.9 390	9.7 390	9.7 390	9.7 390	82130	2.5
	1967 9820	1.7 33420	2.0 2140	3.6 25160	2.4 600	4.7 3330	3.4 630	7.3 360	9.0 360	11.9 340	11.9 340	11.9 340	75800	2.3

* TEST WEIGHT IN POUNDS.

** 1967 COLORADO, IDAHO, SOUTH DAKOTA, AND WASHINGTON NOT INCLUDED

** 1968 COLORADO, IDAHO, AND WASHINGTON NOT INCLUDED

** 1969 AND 1970 COLORADO NOT INCLUDED

HARD RED WINTER WHEAT TEST WEIGHT
FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS
ALL STATES

POUNDS	NO. 1 HEAVY		NO. 1		NO. 2 HEAVY		NO. 2		GRADE NO. 3 HEAVY		NO. 3		NO. 4		NO. 5		SAMPLE GRADE		ALL GRADES	
	NUMBER		NUMBER		NUMBER		NUMBER		NUMBER		NUMBER		NUMBER		NUMBER		NUMBER		NUMBER	
65.0 - 68.0	160		0		0		0		8		0		0		0		0		168	
62.0 - 64.9	36600		0		7792		0		992		0		168		112		128		45792	
60.0 - 61.9	0		28568		0		8504		0		1264		240		80		192		38848	
59.0 - 59.9	0		0		0		3824		0		256		72		16		32		4200	
58.0 - 58.9	0		0		0		968		0		88		16		8		0		1080	
57.0 - 57.9	0		0		0		0		0		168		8		8		0		184	
56.0 - 56.9	0		0		0		0		0		32		0		0		0		32	
55.0 - 55.9	0		0		0		0		0		0		0		0		0		0	
54.0 - 54.9	0		0		0		0		0		0		8		0		0		8	
53.0 - 53.9	0		0		0		0		0		0		0		0		0		0	
52.0 - 52.9	0		0		0		0		0		0		0		0		0		0	
51.0 - 51.9	0		0		0		0		0		0		0		0		0		0	
50.0 - 50.9	0		0		0		0		0		0		0		0		0		0	
49.0 - 49.9	0		0		0		0		0		0		0		0		0		0	
45.0 - 48.9	0		0		0		0		0		0		0		0		0		0	
NO INFORMATION	0		24		0		0		0		0		0		0		0		24	
MEAN 1970	62.8		61.1		62.6		60.4		62.6		60.2		61.1		61.4		61.3		61.8	
MEAN 1969	63.0		61.1		62.7		60.0		62.8		59.0		60.7		61.2		60.7		61.5	
*MEAN 1968	62.7		61.1		62.6		60.3		62.6		59.4		59.4		59.2		60.8		61.8	
**MEAN 1967	62.7		60.8		62.8		59.4		62.8		58.4		60.3		60.0		60.4		60.8	

* 1968 COLORADO, IDAHO, AND WASHINGTON NOT INCLUDED
** 1967 COLORADO, IDAHO, SOUTH DAKOTA, AND WASHINGTON NOT INCLUDED

HARD RED WINTER WHEAT MOISTURE
PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS
ALL STATES

PERCENT	NO. 1 HEAVY		NO. 2 HEAVY		GRADE NO. 3 HEAVY		NO. 3		NO. 4		NO. 5		SAMPLE GRADE		ALL GRADES	
	NUMBER	NO. 1 NUMBER	NUMBER	NO. 2 NUMBER	NUMBER	NO. 3 NUMBER	NUMBER	NO. 3 NUMBER	NUMBER	NO. 4 NUMBER	NUMBER	NO. 5 NUMBER	NUMBER	NO. 5 NUMBER	NUMBER	NUMBER
6.5 - 9.0	792	72	32	48	24	48	16	16	0	16	0	16	16	16	1048	
9.1 - 10.0	1144	312	464	376	32	40	24	24	16	24	16	16	8	8	2416	
10.1 - 10.5	2376	608	1000	800	40	152	32	32	0	24	0	24	24	24	5032	
10.6 - 11.0	4384	1656	1304	1456	104	136	40	40	8	48	8	48	48	48	9136	
11.1 - 11.5	5528	2504	1312	1656	72	224	16	16	16	32	16	16	32	32	11360	
11.6 - 12.0	5520	4376	1216	2336	80	192	24	24	24	64	24	24	64	64	13832	
12.1 - 12.5	4720	4280	896	1968	64	200	80	80	16	48	16	16	48	48	12272	
12.6 - 13.0	3744	4256	248	1344	16	112	32	32	16	8	16	16	8	8	9776	
13.1 - 13.5	2232	3704	152	880	8	88	32	32	0	8	0	0	8	8	7104	
13.6 - 14.0	1112	2000	64	416	0	96	24	24	8	0	8	8	0	0	3720	
14.1 - 14.5	392	1304	24	384	0	16	8	8	0	0	0	0	0	0	2128	
14.6 - 15.0	168	624	8	176	0	32	0	0	0	0	0	0	0	0	1008	
15.1 - 16.0	40	384	0	72	0	8	0	0	0	0	0	0	0	0	504	
16.1 AND OVER	0	32	0	24	0	0	8	8	0	0	0	0	0	0	64	
NO INFORMATION	4608	2480	1072	1360	560	464	176	176	120	96	10936	10936	96	96	10936	
MEAN 1970	11.7	12.5	11.3	12.0	11.2	11.8	11.9	11.3	11.8	11.3	12.0	12.0	11.3	11.3	12.0	
MEAN 1969	12.1	12.6	11.5	12.1	11.5	12.3	12.1	12.6	12.4	12.6	12.3	12.3	12.6	12.6	12.3	
*MEAN 1968	12.3	12.9	11.7	12.7	11.7	12.5	12.6	12.5	12.4	12.5	12.5	12.4	12.5	12.5	12.5	
**MEAN 1967	12.4	13.4	11.2	13.4	10.9	13.3	13.0	13.2	13.2	13.2	13.1	13.2	13.2	13.2	13.1	

* 1968 COLORADO, IDAHO, AND WASHINGTON NOT INCLUDED
** 1967 COLORADO, IDAHO, SOUTH DAKOTA, AND WASHINGTON NOT INCLUDED

HARD RED WINTER WHEAT TOTAL DAMAGE
PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS
ALL STATES

PERCENT	NO. 1 HEAVY	NO. 1 NUMBER	NO. 2 HEAVY	NO. 2 NUMBER	GRADE			NO. 3 HEAVY	NO. 3 NUMBER	NO. 4 NUMBER	NO. 5 NUMBER	SAMPLE GRADE NUMBER	ALL GRADES NUMBER
					NO. 2	NO. 3	NO. 4						
.0	368	848	104	600	32	176	48	0	16	2192			
.1 - 1.0	7264	10288	3088	5752	144	448	56	24	64	27128			
1.1 - 1.5	104	128	144	168	8	32	8	0	16	608			
1.6 - 2.0	24	24	112	168	8	40	0	0	0	376			
2.1 - 2.5	0	0	56	40	16	24	0	0	0	136			
2.6 - 3.0	0	0	32	56	8	48	0	0	16	160			
3.1 - 3.5	0	0	16	0	16	8	0	0	0	40			
3.6 - 4.0	0	0	8	0	48	8	0	0	0	64			
4.1 - 4.5	0	0	0	0	16	16	0	0	0	32			
4.6 - 5.0	0	0	0	0	8	16	8	0	8	40			
5.1 - 6.0	0	0	0	0	8	0	16	0	0	24			
6.1 - 7.0	0	0	0	0	0	0	24	0	8	32			
7.1 - 8.0	0	0	0	0	0	0	32	0	0	32			
8.1 - 10.0	0	0	0	0	0	0	32	8	0	40			
10.1 - 12.5	0	0	0	0	0	0	0	48	8	56			
12.6 - 15.0	0	0	0	0	0	0	0	8	0	8			
15.1 - 25.0	0	0	0	0	0	0	0	0	16	16			
25.1 AND OVER	0	0	0	0	0	0	0	0	0	0			
NO INFORMATION	29000	17304	4232	6512	688	992	288	136	200	59352			
MEAN 1970	0.4	0.4	0.7	0.6	1.7	0.9	3.9	8.8	3.9	0.6			
MEAN 1969	0.5	0.4	0.6	0.6	2.3	1.1	2.3	4.5	8.8	0.6			
* MEAN 1968	0.5	0.5	0.7	0.8	1.9	1.8	4.4	7.8	7.4	0.8			
** MEAN 1967	0.4	0.6	1.0	0.8	2.6	1.5	5.2	9.1	10.0	0.8			

* 1968 COLORADO, IDAHO, AND WASHINGTON NOT INCLUDED
** 1967 COLORADO, IDAHO, SOUTH DAKOTA, AND WASHINGTON NOT INCLUDED

HARD RED WINTER WHEAT FOREIGN MATERIAL
 PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
 BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
 ALL INSPECTIONS
 ALL STATES

PERCENT	NO. 1 HEAVY NUMBER	NO. 1 NUMBER	NO. 2 HEAVY NUMBER	GRADE		NO. 3 HEAVY NUMBER	NO. 3 NUMBER	NO. 4 NUMBER	NO. 5 NUMBER	SAMPLE GRADE NUMBER	ALL GRADES NUMBER
				NO. 2 NUMBER	NO. 3 NUMBER						
0.0	168	368	8	80	0	0	24	0	0	0	648
0.1 - 0.5	11824	14448	3824	7304	264	496	128	24	0	104	38416
0.6 - 1.0	0	0	728	1528	40	112	40	0	0	8	2456
1.1 - 1.5	0	0	0	0	264	528	8	8	0	8	816
1.6 - 2.0	0	0	0	0	256	296	0	0	0	0	552
2.1 - 2.5	0	0	0	0	0	0	136	0	0	0	136
2.6 - 3.0	0	0	0	0	0	0	120	8	0	0	128
3.1 - 3.5	0	0	0	0	0	0	0	32	0	0	32
3.6 - 4.0	0	0	0	0	0	0	0	48	0	0	48
4.1 - 4.5	0	0	0	0	0	0	0	16	0	0	16
4.6 - 5.0	0	0	0	0	0	0	0	56	0	0	56
5.1 - 6.0	0	0	0	0	0	0	0	0	0	56	56
6.1 - 8.0	0	0	0	0	0	0	0	0	0	72	72
8.1 - 10.0	0	0	0	0	0	0	0	0	0	24	24
10.1 - 15.0	0	0	0	0	0	0	0	0	0	0	0
NO INFORMATION	24768	13776	3232	4384	176	352	80	32	0	80	46880
MEAN 1970	0.2	0.2	0.3	0.3	1.1	1.0	1.7	3.5	4.0	0.3	0.3
MEAN 1969	0.2	0.2	0.3	0.3	1.0	0.6	1.6	3.4	2.7	0.3	0.3
MEAN 1968	0.2	0.2	0.2	0.3	0.6	0.7	1.6	3.0	1.9	0.3	0.3
MEAN 1967	0.1	0.2	0.5	0.2	1.2	0.5	1.6	2.7	3.2	0.3	0.3

HARD RED WINTER WHEAT SHRUNKEN AND BROKEN KERNELS
 PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
 BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
 ALL INSPECTIONS
 ALL STATES

PERCENT	GRADE				NO. 3				NO. 4				NO. 5				SAMPLE GRADE NUMBER	ALL GRADES NUMBER
	NO. 1 HEAVY NUMBER	NO. 1 NUMBER	NO. 2 HEAVY NUMBER	NO. 2 NUMBER	NO. 3 HEAVY NUMBER	NO. 3 NUMBER	NO. 4 HEAVY NUMBER	NO. 4 NUMBER	NO. 5 HEAVY NUMBER	NO. 5 NUMBER	NO. 6 HEAVY NUMBER	NO. 6 NUMBER	NO. 7 HEAVY NUMBER	NO. 7 NUMBER	NO. 8 HEAVY NUMBER	NO. 8 NUMBER		
0.0	80	312	0	48	8	24	8	8	0	0	0	0	0	0	0	0	480	
0.1 - 1.0	2736	3544	64	560	24	112	56	56	8	8	0	0	0	0	0	0	7104	
1.1 - 2.0	16280	14168	648	2552	208	352	144	144	96	96	0	0	0	0	0	0	34560	
2.1 - 2.5	8368	5792	512	1496	160	168	48	48	8	8	0	0	0	0	0	0	16648	
2.6 - 3.0	4304	2936	1568	2592	88	184	64	64	24	24	0	0	0	0	0	0	11784	
3.1 - 3.5	0	0	2840	2912	64	136	40	40	24	24	0	0	0	0	0	0	6056	
3.6 - 4.0	0	0	1304	2000	112	88	32	32	16	16	0	0	0	0	0	0	3576	
4.1 - 4.5	0	0	496	568	32	80	8	8	24	24	0	0	0	0	0	0	1216	
4.6 - 5.0	0	0	144	304	56	104	16	16	8	8	0	0	0	0	0	0	632	
5.1 - 6.0	0	0	0	0	112	328	16	16	8	8	0	0	0	0	0	0	480	
6.1 - 7.0	0	0	0	0	40	104	0	0	0	0	0	0	0	0	0	0	152	
7.1 - 8.0	0	0	0	0	24	48	8	8	0	0	0	0	0	0	0	0	88	
8.1 - 9.0	0	0	0	0	0	0	40	40	0	0	0	0	0	0	0	0	40	
9.1 - 11.0	0	0	0	0	0	0	24	24	8	8	0	0	0	0	0	0	32	
11.1 - 12.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12.1 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15.1 - 20.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20.1 - 25.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25.1 AND OVER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
NO INFORMATION	4992	1840	216	264	72	80	8	8	8	8	0	0	0	0	0	0	7488	
MEAN 1970	1.9	1.8	3.1	2.8	3.3	3.5	3.3	3.3	2.8	2.8	0	0	0	0	0	0	2.2	
MEAN 1969	1.6	1.8	3.2	2.6	3.1	3.0	3.1	3.4	3.0	3.0	0	0	0	0	0	0	2.1	
*MEAN 1968	1.6	1.5	3.3	2.5	3.7	2.6	3.7	3.9	3.2	3.2	0	0	0	0	0	0	1.9	
**MEAN 1967	1.4	1.3	3.1	1.7	3.3	2.2	3.3	2.8	2.5	2.5	0	0	0	0	0	0	1.6	

* 1968 COLORADO, IDAHO, AND WASHINGTON NOT INCLUDED
 ** 1967 COLORADO, IDAHO, SOUTH DAKOTA, AND WASHINGTON NOT INCLUDED

HARD RED WINTER WHEAT TOTAL DEFECTS
PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS
ALL STATES

PERCENT	GRADE					NO. 4	NO. 5	SAMPLE GRADE NUMBER	ALL GRADES NUMBER
	NO. 1 HEAVY NUMBER	NO. 1 NUMBER	NO. 2 HEAVY NUMBER	NO. 2 NUMBER	NO. 3 HEAVY NUMBER				
0.0	80	312	0	48	0	24	0	0	464
0.1 - 1.0	1688	1368	0	168	0	0	16	0	3240
1.1 - 2.0	12928	10968	144	1184	8	40	16	40	25328
2.1 - 2.5	8472	6440	168	1096	24	56	8	8	16272
2.6 - 3.0	7312	6768	208	1320	32	128	8	32	15808
3.1 - 3.5	0	0	3376	3320	48	176	0	24	6944
3.6 - 4.0	0	0	2048	3016	144	176	88	32	5504
4.1 - 4.5	0	0	856	1336	96	128	40	0	2456
4.6 - 5.0	0	0	472	848	48	80	40	0	1488
5.1 - 6.0	0	0	0	0	240	408	56	8	736
6.1 - 7.0	0	0	0	0	112	224	24	8	432
7.1 - 8.0	0	0	0	0	48	112	16	16	240
8.1 - 9.0	0	0	0	0	0	0	56	32	88
9.1 - 11.0	0	0	0	0	0	0	72	56	144
11.1 - 12.0	0	0	0	0	0	0	40	8	48
12.1 - 15.0	0	0	0	0	0	0	0	48	104
15.1 - 20.0	0	0	0	0	0	0	0	8	16
20.1 - 25.0	0	0	0	0	0	0	0	16	16
25.1 AND OVER	0	0	0	0	0	0	0	0	0
NO INFORMATION	6280	2736	520	960	200	256	32	16	11008
MEAN 1970	2.1	2.1	3.6	3.3	4.9	4.7	6.3	7.8	2.5
MEAN 1969	1.9	2.0	3.7	3.0	4.6	4.0	5.7	10.3	2.5
*MEAN 1968	1.9	1.9	3.8	3.2	5.2	4.3	7.8	9.7	2.5
**MEAN 1967	1.7	2.0	3.6	2.4	4.7	3.4	7.3	11.9	2.3

* 1968 COLORADO, IDAHO, AND WASHINGTON NOT INCLUDED

** 1967 COLORADO, IDAHO, SOUTH DAKOTA, AND WASHINGTON NOT INCLUDED

SOFT RED WINTER WHEAT
INSPECTED RECEIPTS, DESIGNATED STATES,
2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS

STATES		GRADES								SPECIAL GRADES											
		NO. 1		NO. 2		NO. 3		NO. 4		NO. 5		SAMPLE GRADE		TOTAL		TOUGH		WEEV-ILY		GAR-LICKY	
		NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER	NUMBER
ARKANSAS		0	36	0	114	0	24	12	0	6	192	36	0	36	0	36					
CALIFORNIA		144	1488	9	948	3	312	84	27	48	3063	24	6	0	0	0					
ILLINOIS		30	207	0	1251	0	756	66	30	18	2358	1095	0	543	0	543					
INDIANA		90	183	0	423	0	30	0	0	3	729	219	3	243	3	243					
KENTUCKY		276	705	0	360	0	69	9	15	6	1440	486	0	573	0	573					
MARYLAND		0	0	0	171	0	156	9	3	0	339	114	6	114	6	114					
MICHIGAN		66	72	0	114	0	15	0	0	0	267	39	0	3	0	3					
MISSOURI		3	42	0	84	0	162	36	0	6	333	102	0	48	0	48					
NEW YORK		36	138	0	120	0	111	15	9	6	435	138	6	6	6	6					
OHIO		1470	3531	3	2151	0	276	60	12	21	7524	3216	21	156	21	156					
PENNSYLVANIA		9	150	0	300	0	174	51	21	21	726	384	15	207	15	207					
SOUTH CAROLINA		0	0	0	0	0	3	0	0	0	3	3	0	0	0	0					
TEXAS		15	60	0	51	0	18	6	0	3	153	87	0	0	0	0					
VIRGINIA		C	6	0	711	0	1560	999	282	60	3618	1302	36	771	36	771					
ALL STATES		2139	6618	12	6798	3	3666	1347	399	198	21180	7245	93	2700	93	2700					
% 1970 CROP YEAR		10.1	31.2	0.1	32.1	0.0	17.3	6.4	1.9	0.9	100.0	34.2	0.4	12.7	0.4	12.7					
% 1969 CROP YEAR		2.7	24.7	0.1	36.7	0.0	25.2	7.4	1.5	1.6	100.0	45.9	0.8	15.2	0.8	15.2					
% 1968 CROP YEAR		1.9	29.1	0.1	46.7	0.0	16.2	3.8	1.2	1.0	100.0	33.9	0.6	14.5	0.6	14.5					
% 1967 CROP YEAR		3.3	35.0	0.1	44.2	0.0	12.9	2.9	0.8	0.7	100.0	59.6	0.2	20.9	0.2	20.9					

SOFT RED WINTER WHEAT THE QUALITY OF THE 1970 CROP IMPROVED AFTER CONTINUOUS DECLINE OVER A PERIOD OF THREE YEARS. THERE WAS 41 PERCENT GRADING U.S. NO. 1 AS COMPARED TO 27 PERCENT LAST YEAR, 31 PERCENT IN 1968, AND 38 PERCENT IN 1967. TEST WEIGHT AVERAGED HICHER AND MOISTURE AND TOTAL DAMAGE AVERAGED LOWER THAN LAST YEAR.

RANGE, AVERAGE PERCENTAGE CONTENT AND TOTAL NUMBER OF RECEIPTS FOR SPECIFIC GRADE FACTORS
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP AND 1969 CROP AVERAGE
ALL INSPECTIONS
ALL STATES

QUALITY FACTOR	GRADE																SAMPLE GRADE		ALL GRADES							
	NO. 1 HEAVY				NO. 2 HEAVY				NO. 2				NO. 3 HEAVY				NO. 3		NO. 4		NO. 5		SAMPLE GRADE		ALL GRADES	
	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.
DOCKAGE																										
HIGH																										
LOW																										
AVERAGE	1970	267	0.9	1842	0.9	7.7	8.7	9.7	9.7	0.7	10.2	18.2	7.7	14.2	18.2	7.7	14.2	18.2	7.7	14.2	18.2	7.7	14.2	18.2	7.7	14.2
	1969	280	0.9	2148	1.0	3.2	1.5	3576	1.1	0	0.0	3132	1.0	1017	1.3	327	1.3	132	2.5	220	1.9	8217	1.1	10992	1.1	
TEST WEIGHT *																										
HIGH																										
LOW																										
AVERAGE	1970	2139	62.4	6618	60.8	62.0	62.5	6795	58.9	3	62.5	56.0	51.0	55.5	55.1	51.0	55.5	56.0	51.0	55.5	55.1	51.0	55.5	56.0	51.0	
	1969	756	63.2	6840	60.7	40	62.5	10148	58.9	0	0.0	6984	57.0	2044	55.2	416	53.8	444	55.5	310	54.9	29950	59.0	47125	59.3	
	1968	560	62.4	8705	60.7	20	62.8	13990	58.9	5	62.3	4865	57.2	1125	55.2	370	54.3	310	54.9	325	56.6	47125	59.3	47125	59.3	
	1967	1575	62.5	16485	60.6	55	62.6	20835	59.0	0	0.0	6085	57.2	1385	55.5	380	55.1	325	56.6	325	56.6	47125	59.3	47125	59.3	
MOISTURE																										
HIGH																										
LOW																										
AVERAGE	1970	1995	13.1	5133	13.4	12.4	12.4	5880	13.6	0	0.0	3363	13.6	1263	13.8	375	14.0	156	14.6	408	13.9	24356	13.8	47120	14.1	
	1969	144	13.0	5148	13.5	0	0.0	9444	13.7	0	0.0	6820	13.9	1996	14.2	396	14.7	408	13.9	285	14.6	24770	13.5	47120	14.1	
	1968	155	12.4	5840	13.1	10	9.9	12650	13.5	0	0.0	4480	13.9	1050	14.7	300	14.7	285	14.6	325	15.3	47120	14.1	47120	14.1	
	1967	1575	13.1	16485	13.7	55	12.7	20830	14.1	0	0.0	6085	14.7	1385	15.5	380	16.3	325	15.3	325	15.3	47120	14.1	47120	14.1	
TOTAL DAMAGE																										
HIGH																										
LOW																										
AVERAGE	1970	324	1.0	1050	1.2	2.0	2.0	1884	1.2	0	0.0	2025	1.3	1092	1.5	342	2.9	120	12.6	348	20.2	11784	2.2	23185	1.7	
	1969	12	0.6	1124	1.3	0	0.0	4564	1.4	0	0.0	3880	1.4	1512	2.1	344	6.4	348	20.2	270	15.0	14200	1.9	23185	1.7	
	1968	75	0.4	2630	0.8	5	0.4	6505	1.3	0	0.0	3490	2.0	945	3.2	280	5.3	270	15.0	275	12.7	23185	1.7	23185	1.7	
	1967	305	0.6	5495	0.8	10	2.0	10785	1.2	0	0.0	4785	2.1	1195	4.1	335	6.6	275	12.7	275	12.7	23185	1.7	23185	1.7	
FOREIGN MATERIAL																										
HIGH																										
LOW																										
AVERAGE	1970	33	0.2	357	0.2	0.0	0.0	1614	0.3	0	0.0	1881	0.3	1065	0.4	330	0.5	102	2.0	348	20.2	11784	2.2	23185	1.7	
	1969	20	0.2	436	0.2	16	0.6	2372	0.3	0	0.0	2820	0.3	1268	0.4	296	0.7	244	1.2	270	15.0	14200	1.9	23185	1.7	
	1968	80	0.1	1975	0.2	5	0.8	5125	0.3	0	0.0	2220	0.4	690	0.4	300	1.4	170	1.9	245	2.4	20330	0.4	20330	0.4	
	1967	805	0.3	5105	0.3	50	0.8	8540	0.3	0	0.0	4115	0.5	1125	0.7	345	1.6	245	2.4	245	2.4	20330	0.4	20330	0.4	
SHRUNKEN & BROKEN																										
HIGH																										
LOW																										
AVERAGE	1970	24	0.7	267	0.6	0.0	0.0	1365	0.8	0	0.0	1773	0.9	1026	1.3	312	1.7	96	1.2	260	0.6	7788	0.7	20050	0.7	
	1969	8	0.5	444	0.6	32	3.9	2316	0.7	0	0.0	2992	0.7	1424	0.8	312	0.8	260	0.6	195	0.7	12660	0.9	20050	0.7	
	1968	90	0.4	2525	0.7	15	3.0	6125	0.9	5	7.0	2630	0.9	795	0.8	280	1.7	195	0.7	230	0.7	12660	0.9	20050	0.7	
	1967	295	0.6	4775	0.7	10	1.0	9195	0.7	0	0.0	4140	0.8	1085	0.7	320	0.9	230	0.7	230	0.7	12660	0.9	20050	0.7	
TOTAL DEFECTS																										
HIGH																										
LOW																										
AVERAGE	1970	24	1.3	267	1.4	0.0	0.0	1386	1.8	0	0.0	1764	2.3	1032	3.0	315	4.8	96	14.8	272	24.8	4884	2.7	7764	3.1	
	1969	8	1.1	408	1.6	24	4.2	2316	1.8	0	0.0	3008	1.9	1416	3.0	312	7.4	272	24.8	272	24.8	7764	3.1	7764	3.1	
OTHER CLASSES																										
HIGH																										
LOW																										
AVERAGE	1970	0	0.0	42	0.0	0.0	0.0	477	0.6	0	0.0	441	0.7	27	0.9	6	0.0	3	10.0	10.0	10.0	999	0.7	128	3.5	
	1969	0	0.0	36	1.9	0	0.0	56	2.7	0	0.0	28	6.6	0	0.0	0	0.0	8	5.0	8	5.0	128	3.5	128	3.5	

* TEST WEIGHT IN POUNDS.

SOFT RED WINTER WHEAT TEST WEIGHT
FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS
ALL STATES

POUNDS	NO. 1 HEAVY NUMBER	NO. 1 NUMBER	NO. 2 HEAVY NUMBER	GRADE		NO. 3 HEAVY NUMBER	NO. 3 NUMBER	NO. 4 NUMBER	NO. 5 NUMBER	SAMPLE GRADE NUMBER	ALL GRADES NUMBER
				NO. 2 NUMBER	NO. 3 NUMBER						
65.0 - 68.0	3	0	0	0	0	0	0	0	0	0	3
62.0 - 64.9	2136	0	12	0	3	0	0	0	0	0	2151
60.0 - 61.9	0	6618	0	237	0	72	15	3	0	21	6966
59.0 - 59.9	0	0	0	3159	0	75	15	0	0	24	3273
58.0 - 58.9	0	0	0	3399	0	27	15	3	0	12	3456
57.0 - 57.9	0	0	0	0	0	1953	9	18	0	27	2007
56.0 - 56.9	0	0	0	0	0	1536	15	12	0	15	1578
55.0 - 55.9	0	0	0	0	0	0	738	9	0	12	759
54.0 - 54.9	0	0	0	0	0	0	540	12	0	21	573
53.0 - 53.9	0	0	0	0	0	0	0	0	228	9	237
52.0 - 52.9	0	0	0	0	0	0	0	0	96	3	99
51.0 - 51.9	0	0	0	0	0	0	0	0	18	15	33
50.0 - 50.9	0	0	0	0	0	0	0	0	0	12	12
49.0 - 49.9	0	0	0	0	0	0	0	0	0	18	18
45.0 - 48.9	0	0	0	0	0	0	0	0	0	3	3
NO INFORMATION	0	0	0	3	0	3	0	0	0	6	12
MEAN 1970	62.4	60.8	62.5	58.9	62.5	57.0	55.1	53.5	55.5	59.1	
MEAN 1969	63.2	60.7	62.5	58.9	62.5	57.0	55.2	53.8	55.5	58.6	
MEAN 1968	62.4	60.7	62.8	58.9	62.3	57.2	55.2	54.3	54.9	59.0	
MEAN 1967	62.5	60.6	62.6	59.0	62.2	57.2	55.5	55.1	56.6	59.3	

SOFT RED WINTER WHEAT MOISTURE
 PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
 BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
 ALL INSPECTIONS
 ALL STATES

PERCENT	NO. 1 HEAVY NUMBER	NO. 1 NUMBER	NO. 2 HEAVY NUMBER	GRADE			NO. 4 NUMBER	NO. 5 NUMBER	SAMPLE GRADE NUMBER	ALL GRADES NUMBER
				NO. 2 NUMBER	NO. 3 HEAVY NUMBER	NO. 3 NUMBER				
6.5 - 9.0	0	0	0	0	0	0	0	0	0	0
9.1 - 10.0	0	0	0	0	0	0	0	0	0	0
10.1 - 10.5	0	3	0	21	0	3	3	0	6	36
10.6 - 11.0	0	3	0	21	0	21	9	3	0	57
11.1 - 11.5	18	15	0	30	0	60	27	6	0	156
11.6 - 12.0	69	102	0	198	0	180	72	21	3	645
12.1 - 12.5	246	339	3	423	0	276	111	21	3	1422
12.6 - 13.0	705	1041	0	855	0	570	207	75	18	3471
13.1 - 13.5	717	1758	0	1545	0	756	282	60	18	5136
13.6 - 14.0	186	1221	0	1233	0	558	162	51	21	3432
14.1 - 14.5	36	462	0	789	0	363	135	33	18	1836
14.6 - 15.0	18	162	0	537	0	249	60	27	15	1068
15.1 - 16.0	0	27	0	201	0	213	99	42	33	615
16.1 AND OVER	0	0	0	27	0	114	96	36	21	294
NO INFORMATION	144	1485	9	918	3	303	84	24	42	3012
MEAN 1970	13.1	13.4	12.4	13.6	0.0	13.6	13.8	14.0	14.6	13.5
MEAN 1969	13.0	13.5	0.0	13.7	0.0	13.9	14.2	14.7	13.9	13.8
MEAN 1968	12.4	13.1	9.9	13.5	0.0	13.9	14.7	14.7	14.6	13.5
MEAN 1967	13.1	13.7	12.7	14.1	0.0	14.7	15.5	16.3	15.3	14.1

SOFT RED WINTER WHEAT TOTAL DAMAGE
PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS
ALL STATES

PERCENT	NO. 1 HEAVY NUMBER	NO. 1 NUMBER	NO. 2 HEAVY NUMBER	GRADE		NO. 3 HEAVY NUMBER	NO. 3 NUMBER	NO. 4 NUMBER	NO. 5 NUMBER	SAMPLE GRADE NUMBER	ALL GRADES NUMBER
				NO. 2 NUMBER	NO. 3 NUMBER						
.0	0	0	0	0	0	0	0	0	0	0	0
.1 - 1.0	216	405	0	1059	0	1107	504	114	15	3420	
1.1 - 1.5	93	336	0	273	0	420	312	72	12	1518	
1.6 - 2.0	15	309	3	255	0	174	150	54	6	966	
2.1 - 2.5	0	0	0	108	0	105	30	18	3	264	
2.6 - 3.0	0	0	0	123	0	99	18	12	6	258	
3.1 - 3.5	0	0	0	42	0	24	21	3	0	90	
3.6 - 4.0	0	0	0	24	0	57	18	15	9	123	
4.1 - 4.5	0	0	0	0	0	3	6	3	3	15	
4.6 - 5.0	0	0	0	0	0	18	3	3	3	27	
5.1 - 6.0	0	0	0	0	0	9	6	6	3	24	
6.1 - 7.0	0	0	0	0	0	9	3	6	3	21	
7.1 - 8.0	0	0	0	0	0	0	6	0	6	12	
8.1 - 10.0	0	0	0	0	0	0	15	6	0	21	
10.1 - 12.5	0	0	0	0	0	0	0	9	6	15	
12.6 - 15.0	0	0	0	0	0	0	0	21	0	21	
15.1 - 25.0	0	0	0	0	0	0	0	0	24	24	
25.1 AND OVER	0	0	0	0	0	0	0	0	21	21	
NO INFORMATION	1815	5568	9	4914	3	1641	255	57	78	14340	
MEAN 1970	1.0	1.2	2.0	1.2	0.0	1.3	1.5	2.9	12.6	1.6	
MEAN 1969	0.6	1.3	0.0	1.4	0.0	1.4	2.1	6.4	20.2	2.2	
MEAN 1968	0.4	0.8	0.4	1.3	0.0	2.0	3.2	5.3	15.0	1.9	
MEAN 1967	0.6	0.8	2.0	1.2	0.0	2.1	4.1	6.6	12.7	1.7	

SOFT RED WINTER WHEAT FOREIGN MATERIAL
 PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
 BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
 ALL INSPECTIONS
 ALL STATES

PERCENT	NO. 1 HEAVY		NO. 1		NO. 2 HEAVY		NO. 2		GRADE NO. 3 HEAVY		NO. 3		NO. 4		NO. 5		SAMPLE GRADE		ALL GRADES	
	NUMBER		NUMBER		NUMBER		NUMBER		NUMBER		NUMBER		NUMBER		NUMBER		NUMBER		NUMBER	
0.0	0		3		0		45		0		93		18		12		9		180	
0.1 - 0.5	33		354		0		1335		0		1596		954		282		66		4620	
0.6 - 1.0	0		0		0		234		0		90		36		6		0		366	
1.1 - 1.5	0		0		0		0		0		60		3		6		0		69	
1.6 - 2.0	0		0		0		0		0		42		12		3		3		60	
2.1 - 2.5	0		0		0		0		0		0		24		0		0		24	
2.6 - 3.0	0		0		0		0		0		0		18		0		0		18	
3.1 - 3.5	0		0		0		0		0		0		0		3		0		3	
3.6 - 4.0	0		0		0		0		0		0		0		6		3		9	
4.1 - 4.5	0		0		0		0		0		0		0		6		0		6	
4.6 - 5.0	0		0		0		0		0		0		0		6		3		9	
5.1 - 6.0	0		0		0		0		0		0		0		0		0		0	
6.1 - 8.0	0		0		0		0		0		0		0		0		6		6	
8.1 - 10.0	0		0		0		0		0		0		0		0		12		12	
10.1 - 15.0	0		0		0		0		0		0		0		0		0		0	
NO INFORMATION	2106		6261		12		5184		3		1785		282		69		96		15798	
MEAN 1970	0.2		0.2		0.0		0.3		0.0		0.3		0.4		0.5		2.0		0.4	
MEAN 1969	0.2		0.2		0.6		0.3		0.0		0.3		0.4		0.7		1.2		0.3	
MEAN 1968	0.1		0.2		0.8		0.3		0.0		0.4		0.4		1.4		1.9		0.4	
MEAN 1967	0.3		0.3		0.8		0.3		0.0		0.5		0.7		1.6		2.4		0.4	

SOFT RED WINTER WHEAT SHRUNKEN AND BROKEN KERNELS
PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS
ALL STATES

PERCENT	GRADE				NO. 4	NO. 5	SAMPLE GRADE NUMBER	ALL GRADES NUMBER
	NO. 1 HEAVY NUMBER	NO. 2 HEAVY NUMBER	NO. 2 NUMBER	NO. 3 HEAVY NUMBER				
0.0	0	0	0	0	0	0	0	0
0.1 - 1.0	24	0	1224	0	414	96	57	3303
1.1 - 2.0	0	0	105	0	540	132	18	1335
2.1 - 2.5	0	0	3	0	42	42	6	99
2.6 - 3.0	0	0	6	0	21	12	12	54
3.1 - 3.5	0	0	12	0	3	6	0	21
3.6 - 4.0	0	0	6	0	3	15	3	27
4.1 - 4.5	0	0	9	0	0	0	0	9
4.6 - 5.0	0	0	0	0	0	6	0	6
5.1 - 6.0	0	0	0	0	0	3	0	6
6.1 - 7.0	0	0	0	0	0	0	0	0
7.1 - 8.0	0	0	0	0	0	0	0	0
8.1 - 9.0	0	0	0	0	0	0	0	0
9.1 - 11.0	0	0	0	0	3	0	0	3
11.1 - 12.0	0	0	0	0	0	0	0	0
12.1 - 15.0	0	0	0	0	0	0	0	0
15.1 - 20.0	0	0	0	0	0	0	0	0
20.1 - 25.0	0	0	0	0	0	0	0	0
25.1 AND OVER	0	0	0	0	0	0	0	0
NO INFORMATION	2115	6351	5433	3	1893	321	102	16317
MEAN 1970	0.7	0.6	0.8	0.0	0.9	1.3	1.2	1.0
MEAN 1969	0.5	0.6	0.7	0.0	0.7	0.8	0.6	0.7
MEAN 1968	0.4	0.7	0.9	7.0	0.9	0.8	0.7	0.9
MEAN 1967	0.6	0.7	0.7	0.0	0.8	0.7	0.7	0.7

SOFT RED WINTER WHEAT TOTAL DEFECTS
PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS
ALL STATES

PERCENT	GRADE						ALL GRADES NUMBER
	NO. 1 HEAVY NUMBER	NO. 1 NUMBER	NO. 2 HEAVY NUMBER	NO. 2 NUMBER	NO. 3 HEAVY NUMBER	NO. 3 NUMBER	
0.0	0	0	0	0	0	0	0
0.1 - 1.0	3	75	0	279	0	162	528
1.1 - 2.0	21	165	0	714	0	594	1677
2.1 - 2.5	0	18	0	183	0	375	825
2.6 - 3.0	0	9	0	69	0	330	750
3.1 - 3.5	0	0	0	51	0	156	414
3.6 - 4.0	0	0	0	45	0	66	249
4.1 - 4.5	0	0	0	33	0	33	138
4.6 - 5.0	0	0	0	12	0	21	96
5.1 - 6.0	0	0	0	0	0	12	42
6.1 - 7.0	0	0	0	0	0	9	30
7.1 - 8.0	0	0	0	0	0	6	18
8.1 - 9.0	0	0	0	0	0	0	18
9.1 - 11.0	0	0	0	0	0	18	30
11.1 - 12.0	0	0	0	0	0	0	6
12.1 - 15.0	0	0	0	0	0	0	9
15.1 - 20.0	0	0	0	0	0	0	27
20.1 - 25.0	0	0	0	0	0	0	9
25.1 AND OVER	0	0	0	0	0	0	18
NO INFORMATION	2115	6351	12	5412	3	1902	16296
MEAN 1970	1.3	1.4	0.0	1.8	0.0	2.3	2.7
MEAN 1969	1.1	1.6	4.2	1.8	0.0	1.9	3.1
MEAN 1968	0.9	1.6	3.6	2.3	7.3	3.2	2.8
MEAN 1967	1.3	1.6	4.0	2.2	0.0	3.2	2.7

WHITE WHEAT
INSPECTED RECEIPTS, DESIGNATED STATES,
2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS

STATES	GRADES										SPECIAL GRADES				SUBCLASSES									
	NO. 1 HEAVY		NO. 2 HEAVY		NO. 3 HEAVY		NO. 4		NO. 5		SAMPLE GRADE		TOTAL		TOUGH ILY		WEEV- GAR- LICKY		HARD WHITE		SOFT WHITE		WEST. WHITE	
	NUMBER	NO. 1	NUMBER	NO. 2	NUMBER	NO. 3	NUMBER	NO. 4	NUMBER	NO. 5	NUMBER	GRADE	NUMBER	NUMBER	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.
CALIFORNIA	234	82	38	76	8	20	18	0	2	478	0	2	478	0	0	0	0	0	174	304	0	0	0	0
IDAHO	520	330	18	122	6	22	16	2	0	1036	0	0	1036	0	0	0	0	0	0	1022	14	0	0	0
MICHIGAN	0	238	0	614	0	190	58	32	20	1152	338	0	1152	338	0	0	0	0	0	1152	0	0	0	0
NEW YORK	0	24	0	410	0	130	0	2	6	572	318	4	572	318	4	2	0	0	0	572	0	0	0	0
OHIO	0	10	0	26	0	26	4	4	20	90	62	0	90	62	0	0	0	0	0	90	0	0	0	0
OREGON	538	712	46	402	14	140	44	28	12	1936	0	12	1936	0	0	2	2	6	1486	430	14	0	0	0
UTAH	600	948	98	1150	24	356	120	18	14	3328	88	14	3328	88	2	0	0	66	3260	2	0	0	0	0
WASHINGTON	202	1086	12	332	2	72	22	12	10	1750	0	10	1750	0	0	0	0	0	1574	172	4	0	0	0
ALL STATES	2094	3430	212	3132	54	956	282	98	84	10342	806	84	10342	806	6	4	4	246	9460	618	18	0	0	0
% 1970 CROP YEAR	20.2	33.2	2.0	30.3	0.5	9.2	2.7	0.9	0.8	100.0	7.8	0.1	100.0	7.8	0.1	0.0	0.0	2.4	91.5	6.0	0.2	0.9	0.0	0.0
% 1969 CROP YEAR	39.9	24.0	3.1	19.7	0.8	6.1	2.3	1.3	2.7	100.0	6.5	0.9	100.0	6.5	0.9	0.1	0.1	2.7	93.6	2.8	0.9	0.9	0.0	0.0
% 1968 CROP YEAR	7.3	27.1	1.0	24.7	0.3	10.3	6.1	3.4	19.8	100.0	15.7	0.1	100.0	15.7	0.1	0.3	0.3	7.7	92.2	0.1	0.0	0.0	0.0	0.0
% 1967 CROP YEAR	7.6	44.4	1.0	34.1	0.4	6.6	3.6	0.8	1.5	100.0	19.0	0.0	100.0	19.0	0.0	0.7	0.7	7.8	92.0	0.1	0.0	0.0	0.0	0.0

* 1968 IDAHO, OREGON, AND WASHINGTON NOT INCLUDED

WHITE WHEAT THE QUALITY OF THE 1970 CROP WAS DOWN FROM THE HIGH QUALITY 1969 CROP BUT WAS ABOVE 1968. THERE WAS 53 PERCENT GRADING U.S. NO. 1 AS COMPARED TO 64 PERCENT IN 1969 AND 34 PERCENT IN 1968. THE TEST WEIGHT AVERAGE WAS BELOW LAST YEAR. MOISTURE AVERAGED LOWER AND TOTAL DAMAGE AVERAGED LOWER.

WHITE WHEAT
RANGE, AVERAGE PERCENTAGE CONTENT AND TOTAL NUMBER OF RECEIPTS FOR SPECIFIC GRADE FACTORS
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP AND 1969 CROP AVERAGE
ALL INSPECTIONS
ALL STATES**

QUALITY FACTOR	GRADE															SAMPLE GRADE	ALL GRADES	
	NO. 1 HEAVY		NO. 1		NO. 2 HEAVY		NO. 2		NO. 3 HEAVY		NO. 3		NO. 4		NO. 5		NO.	PCT.
DOCKAGE HIGH LOW AVERAGE	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.
	1970 1969	1164 2044	1.0 1.1	2024 1822	1.1 1.4	170 252	1.5 1.8	1954 1320	1.8	42 78	1.9 2.0	600 342	1.8 2.1	214 160	2.1 1.9	62 82	2.0 1.9	6270 6224
TEST WEIGHT *	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.
	1970 1969 1968 1967	2094 4242 772 1152	62.7 63.2 62.4 62.4	3430 2550 2884 6732	60.8 60.9 60.8 60.8	212 330 104 148	59.1 59.3 59.2 59.2	3132 2094 2628 5168	57.7 58.1 57.9 58.0	956 648 1096 1004	57.7 58.9 57.5 58.0	98 142 360 124	57.8 58.2 56.8 57.0	282 242 648 552	59.1 58.9 57.5 59.6	98 142 360 124	57.8 58.2 56.8 57.0	10336 10624 10628 15168
MOISTURE HIGH LOW AVERAGE	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.
	1970 1969 1968 1967	582 260 312 112	9.4 9.9 9.2 10.1	616 248 1864 2188	11.5 11.3 12.7 13.0	22 20 32 36	9.7 11.2 8.5 11.5	1496 784 1816 2732	12.9 13.4 13.2 13.6	12 2 0 12	9.4 9.1 0 11.8	574 362 612 584	13.2 13.5 13.0 13.7	122 106 248 184	12.5 13.4 11.6 13.5	52 78 128 80	13.1 13.1 12.6 13.9	3528 2102 5944 6104
TOTAL DAMAGE HIGH LOW AVERAGE	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.
	1970 1969 1968 1967	880 1316 28 4	0.2 0.4 0.9 0.5	1244 794 408 484	0.3 0.4 1.1 1.1	114 130 4 32	0.0 1.0 0.5 2.0	1496 914 976 1028	2.5 3.6 3.7 4.0	28 34 8 12	1.1 2.2 3.0 5.2	620 430 816 460	2.5 3.6 3.7 4.0	148 166 508 172	4.7 6.4 7.4 6.3	78 114 340 80	7.9 12.0 12.8 13.5	4672 4166 5180 2444
FOREIGN MATERIAL HIGH LOW AVERAGE	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.
	1970 1969	974 1960	0.2 0.2	1742 964	0.2 0.2	118 244	0.5 0.6	1176 658	0.3 0.4	38 62	1.4 1.3	422 214	0.7 0.7	158 96	1.4 1.1	54 42	2.4 3.3	4716 4266
SHRUNKEN & BROKEN HIGH LOW AVERAGE	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.
	1970 1969	1856 4146	1.2 1.0	3072 2330	1.3 1.4	186 316	2.1 1.6	2044 1340	1.8 2.1	46 82	1.9 1.5	606 304	2.1 2.4	204 132	2.1 2.8	60 40	3.3 2.7	8112 8732
TOTAL DEFECTS HIGH LOW AVERAGE	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.
	1970 1969	1522 3508	1.4 1.3	2564 1568	1.5 1.8	166 308	3.1 2.8	1620 886	2.4 2.8	42 78	3.8 3.4	504 252	3.3 3.9	172 134	4.5 5.7	58 80	7.8 11.6	6686 6876
CONTRASTING CLASSES HIGH LOW AVERAGE	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.
	1970 1969	66 294	0.7 0.3	88 270	0.6 0.4	42 58	1.7 1.4	118 176	1.2 0.9	18 24	2.3 2.0	50 72	2.1 1.7	96 80	5.4 4.6	8 2	3.1 0.0	486 980
OTHER CLASSES HIGH LOW AVERAGE	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.	NO.	PCT.
	1970 1969	0 4	0.0 1.4	4 12	0.6 1.0	0 0	0.0 0.0	22 30	1.7 1.3	0 2	0.0 7.0	30 36	1.6 1.7	6 16	2.0 1.3	4 6	3.0 0.8	76 146

* TEST WEIGHT IN POUNDS. ** 1967 & 1968 IDAHO, OREGON, AND WASHINGTON NOT INCLUDED + ALSO ALL FACTOR DISTRIBUTION TABLES.

WHITE WHEAT TEST WEIGHT
FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS
ALL STATES

POUNDS	NO. 1 HEAVY NUMBER	NO. 1 NUMBER	NO. 2 HEAVY NUMBER	GRADE		NO. 3 HEAVY NUMBER	NO. 3 NUMBER	NO. 4 NUMBER	NO. 5 NUMBER	SAMPLE GRADE NUMBER	ALL GRADES NUMBER
				NO. 2 NUMBER	NO. 3 NUMBER						
65.0 - 68.0	20	0	0	0	0	0	0	0	0	0	20
62.0 - 64.9	2074	0	212	0	54	0	0	44	12	2	2398
60.0 - 61.9	0	3202	0	386	0	0	94	78	18	14	3792
59.0 - 59.9	0	58	0	1486	0	0	48	24	10	6	1632
58.0 - 58.9	0	170	0	1066	0	0	98	52	6	16	1408
57.0 - 57.9	0	0	0	194	0	0	512	28	16	6	756
56.0 - 56.9	0	0	0	0	0	0	198	8	14	10	230
55.0 - 55.9	0	0	0	0	0	0	6	34	4	10	54
54.0 - 54.9	0	0	0	0	0	0	0	10	0	4	14
53.0 - 53.9	0	0	0	0	0	0	0	4	12	4	20
52.0 - 52.9	0	0	0	0	0	0	0	0	2	2	4
51.0 - 51.9	0	0	0	0	0	0	0	0	4	0	4
50.0 - 50.9	0	0	0	0	0	0	0	0	0	4	4
49.0 - 49.9	0	0	0	0	0	0	0	0	0	0	0
45.0 - 48.9	0	0	0	0	0	0	0	0	0	0	0
NO INFORMATION	0	0	0	0	0	0	0	0	0	6	6
MEAN 1970	62.7	60.8	62.6	59.1	62.7	57.7	59.1	57.8	57.2	60.3	
MEAN 1969	63.2	60.9	63.0	59.3	63.1	58.1	58.9	58.2	56.1	61.2	
* * MEAN 1968	62.4	60.8	62.4	59.2	62.7	57.9	57.5	56.8	56.0	59.0	
* * MEAN 1967	62.4	60.8	62.5	59.2	62.6	58.0	59.6	57.0	56.9	60.1	

WHITE WHEAT MOISTURE
PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS
ALL STATES

PERCENT	GRADE										SAMPLE GRADE NUMBER	ALL GRADES NUMBER
	NO. 1 HEAVY NUMBER	NO. 1 NUMBER	NO. 2 HEAVY NUMBER	NO. 2 NUMBER	NO. 3 HEAVY NUMBER	NO. 3 NUMBER	NO. 4 NUMBER	NO. 5 NUMBER				
6.5 - 9.0	222	82	6	24	4	2	4	0	0	344		
9.1 - 10.0	278	130	8	60	6	12	4	0	2	500		
10.1 - 10.5	42	30	2	48	2	12	8	2	0	146		
10.6 - 11.0	22	20	4	28	0	14	4	2	2	96		
11.1 - 11.5	10	20	2	50	0	30	12	4	2	130		
11.6 - 12.0	6	24	0	58	0	38	10	4	2	142		
12.1 - 12.5	0	36	0	118	0	70	14	2	4	244		
12.6 - 13.0	2	102	0	250	0	74	10	10	8	456		
13.1 - 13.5	0	124	0	394	0	98	26	12	10	664		
13.6 - 14.0	0	28	0	262	0	84	18	8	10	410		
14.1 - 14.5	0	14	0	140	0	60	8	4	6	232		
14.6 - 15.0	0	6	0	56	0	48	2	0	2	114		
15.1 - 16.0	0	0	0	8	0	30	2	4	4	48		
16.1 AND OVER	0	0	0	0	0	2	0	0	0	2		
NO INFORMATION	1512	2814	190	1636	42	382	160	46	32	6814		
MEAN 1970	9.4	11.5	9.7	12.9	9.4	13.2	12.5	13.1	13.2	12.1		
MEAN 1969	9.9	11.3	11.2	13.4	9.1	13.5	13.4	13.1	13.0	12.7		
** MEAN 1968	9.2	12.7	8.5	13.2	0.0	13.0	11.6	12.6	12.1	12.5		
** MEAN 1967	10.1	13.0	11.5	13.6	11.8	13.7	13.5	13.9	14.0	13.3		

WHITE WHEAT TOTAL DAMAGE
PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS
ALL STATES

PERCENT	GRADE										ALL GRADES NUMBER
	NO. 1 HEAVY NUMBER	NO. 1 NUMBER	NO. 2 HEAVY NUMBER	NO. 2 NUMBER	NO. 3 HEAVY NUMBER	NO. 3 NUMBER	NO. 4 NUMBER	NO. 5 NUMBER	SAMPLE GRADE NUMBER		
.0	454	668	32	348	12	130	32	26	10	1712	
.1 - 1.0	392	502	30	478	6	88	26	4	6	1532	
1.1 - 1.5	24	48	16	102	0	24	4	0	0	218	
1.6 - 2.0	10	26	24	130	6	38	2	0	0	236	
2.1 - 2.5	0	0	0	104	0	20	2	0	0	126	
2.6 - 3.0	0	0	10	142	0	94	2	0	0	248	
3.1 - 3.5	0	0	2	88	0	46	4	2	2	144	
3.6 - 4.0	0	0	0	104	4	66	4	0	0	178	
4.1 - 4.5	0	0	0	0	0	2	0	0	0	2	
4.6 - 5.0	0	0	0	0	0	36	0	0	0	36	
5.1 - 6.0	0	0	0	0	0	28	4	0	0	32	
6.1 - 7.0	0	0	0	0	0	48	2	0	0	50	
7.1 - 8.0	0	0	0	0	0	0	14	0	0	14	
8.1 - 10.0	0	0	0	0	0	0	52	0	0	52	
10.1 - 12.5	0	0	0	0	0	0	0	18	0	18	
12.6 - 15.0	0	0	0	0	0	0	0	28	0	28	
15.1 - 25.0	0	0	0	0	0	0	0	0	26	26	
25.1 AND OVER	0	0	0	0	0	0	0	0	20	20	
NO INFORMATION	1214	2186	98	1636	26	336	134	20	20	5670	
MEAN 1970	0.2	0.3	1.0	1.3	1.1	2.5	4.7	7.9	20.5	1.5	
MEAN 1969	0.4	0.4	1.4	1.8	2.2	3.6	6.4	12.0	29.0	3.5	
** MEAN 1968	0.9	1.1	0.5	1.7	3.0	3.7	7.4	12.8	35.2	16.8	
** MEAN 1967	0.5	1.1	2.0	2.2	5.2	4.0	6.3	13.5	25.2	4.6	

WHITE WHEAT FOREIGN MATERIAL
 PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
 BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
 ALL INSPECTIONS
 ALL STATES

PERCENT	NO. 1 HEAVY NUMBER	NO. 1 NUMBER	NO. 2 HEAVY NUMBER	GRADE		NO. 3 HEAVY NUMBER	NO. 3 NUMBER	NO. 4 NUMBER	NO. 5 NUMBER	SAMPLE GRADE NUMBER	ALL GRADES NUMBER
				NO. 2 NUMBER	NO. 2 NUMBER						
0.0	122	172	2	34	0	12	2	6	0	0	350
0.1 - 0.5	852	1570	56	930	6	262	62	10	12	12	3760
0.6 - 1.0	0	0	60	212	2	34	12	4	2	2	326
1.1 - 1.5	0	0	0	0	14	66	10	0	0	0	90
1.6 - 2.0	0	0	0	0	16	48	8	2	0	0	74
2.1 - 2.5	0	0	0	0	0	0	26	0	0	0	26
2.6 - 3.0	0	0	0	0	0	0	38	0	0	0	38
3.1 - 3.5	0	0	0	0	0	0	0	16	0	0	16
3.6 - 4.0	0	0	0	0	0	0	0	8	0	0	8
4.1 - 4.5	0	0	0	0	0	0	0	2	0	0	2
4.6 - 5.0	0	0	0	0	0	0	0	6	0	0	6
5.1 - 6.0	0	0	0	0	0	0	0	0	0	8	8
6.1 - 8.0	0	0	0	0	0	0	0	0	0	8	8
8.1 - 10.0	0	0	0	0	0	0	0	0	0	4	4
10.1 - 15.0	0	0	0	0	0	0	0	0	0	0	0
NO INFORMATION	1120	1688	94	1956	16	534	124	44	50	5626	
MEAN 1970	0.2	0.2	0.5	0.3	1.4	0.7	1.4	2.4	4.3	0.4	
MEAN 1969	0.2	0.2	0.6	0.4	1.3	0.7	1.1	3.3	3.6	0.4	
**MEAN 1968	0.3	0.3	0.6	0.4	0.4	0.6	1.1	0.3	1.0	0.5	
**MEAN 1967	0.4	0.3	0.5	0.4	0.8	0.5	0.9	1.1	0.6	0.5	

WHITE WHEAT SHRUNKEN AND BROKEN KERNELS
 PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
 BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
 ALL INSPECTIONS
 ALL STATES

PERCENT	NO. 1 HEAVY	NO. 1 NUMBER	NO. 2 HEAVY	NO. 2 NUMBER	GRADE			NO. 3	NO. 4	NO. 5	SAMPLE GRADE NUMBER	ALL GRADES NUMBER
					NO. 2	NO. 3	NO. 3 HEAVY					
0.0	0	0	0	0	0	0	0	0	0	0	0	0
0.1 - 1.0	862	984	22	534	8	178	8	52	8	8	8	2656
1.1 - 2.0	866	1742	84	848	20	212	20	78	16	12	12	3878
2.1 - 2.5	86	228	14	188	12	48	12	28	12	0	0	616
2.6 - 3.0	42	118	18	164	0	42	0	10	2	6	6	402
3.1 - 3.5	0	0	30	142	0	32	0	10	4	4	4	222
3.6 - 4.0	0	0	10	108	2	24	2	10	8	6	6	168
4.1 - 4.5	0	0	4	36	2	10	2	4	2	0	0	58
4.6 - 5.0	0	0	4	24	2	16	2	0	0	2	2	48
5.1 - 6.0	0	0	0	0	0	30	0	4	0	0	0	34
6.1 - 7.0	0	0	0	0	0	10	0	0	2	0	0	12
7.1 - 8.0	0	0	0	0	0	4	0	2	4	0	0	10
8.1 - 9.0	0	0	0	0	0	0	0	2	0	0	0	2
9.1 - 11.0	0	0	0	0	0	0	0	4	0	0	0	4
11.1 - 12.0	0	0	0	0	0	0	0	0	0	0	0	0
12.1 - 15.0	0	0	0	0	0	0	0	0	0	0	0	0
15.1 - 20.0	0	0	0	0	0	0	0	0	2	0	0	2
20.1 - 25.0	0	0	0	0	0	0	0	0	0	0	0	0
25.1 AND OVER	0	0	0	0	0	0	0	0	0	0	0	0
NO INFORMATION	238	358	26	1088	8	350	8	78	38	46	2230	
MEAN 1970	1.2	1.3	2.1	1.8	1.9	2.1	1.9	2.1	3.3	2.4	1.5	
MEAN 1969	1.0	1.4	1.6	2.1	1.5	2.4	1.5	2.8	2.7	1.7	1.4	
**MEAN 1968	1.3	1.2	3.1	1.3	1.0	1.2	1.0	1.7	1.3	1.0	1.2	
**MEAN 1967	1.4	1.5	2.3	1.8	2.3	2.4	2.3	2.1	2.4	0.8	1.7	

WHITE WHEAT TOTAL DEFECTS
PERCENTAGE CONTENT FREQUENCY DISTRIBUTION OF INSPECTED RECEIPTS,
BY GRADE, 2 MONTHS FOLLOWING HARVEST, 1970 CROP
ALL INSPECTIONS
ALL STATES

PERCENT	GRADE					NO. 4	NO. 5	SAMPLE GRADE NUMBER	ALL GRADES NUMBER
	NO. 1 HEAVY NUMBER	NO. 1 NUMBER	NO. 2 HEAVY NUMBER	NO. 2 NUMBER	NO. 3 HEAVY NUMBER				
0.0	0	0	0	0	0	0	0	0	0
0.1 - 1.0	578	602	6	178	0	6	0	0	1402
1.1 - 2.0	690	1378	24	552	4	26	2	4	2788
2.1 - 2.5	152	362	12	174	2	14	2	0	770
2.6 - 3.0	102	222	14	194	6	14	2	2	630
3.1 - 3.5	0	0	52	226	10	14	0	0	340
3.6 - 4.0	0	0	32	160	6	18	0	2	262
4.1 - 4.5	0	0	14	68	4	10	10	0	142
4.6 - 5.0	0	0	12	68	0	14	4	0	118
5.1 - 6.0	0	0	0	0	6	26	6	2	100
6.1 - 7.0	0	0	0	0	4	2	6	2	44
7.1 - 8.0	0	0	0	0	0	2	8	2	22
8.1 - 9.0	0	0	0	0	0	8	2	4	14
9.1 - 11.0	0	0	0	0	0	10	2	10	22
11.1 - 12.0	0	0	0	0	0	8	2	2	12
12.1 - 15.0	0	0	0	0	0	0	8	0	8
15.1 - 20.0	0	0	0	0	0	0	4	2	6
20.1 - 25.0	0	0	0	0	0	0	0	4	4
25.1 AND OVER	0	0	0	0	0	0	0	2	2
NO INFORMATION	572	866	46	1512	12	452	40	46	3656
MEAN 1970	1.4	1.5	3.1	2.4	3.8	4.5	7.8	10.8	2.1
MEAN 1969	1.3	1.8	2.8	2.8	3.4	5.7	11.6	22.6	2.2
**MEAN 1968	1.9	1.9	3.6	2.8	4.2	8.2	14.0	36.3	17.0
**MEAN 1967	1.8	1.9	3.2	3.0	3.9	5.8	12.7	26.0	4.5

DRY EDIBLE BEAN INSPECTIONS, PERCENTAGE
DISTRIBUTION OF NUMBER OF INSPECTIONS BY GRADE
AND SELECT CLASSES, 9 WEEKS DURING AND FOLLOWING HARVEST 1967 - 1970 CROP

CLASS	HAND PICKED	U.S. EXTRA NO. 1	NO. 1	NO. 2	NO. 3	SUB STANDARD	SAMPLE GRADE
BLACKEYE	1970 CROP YEAR		38	29	14	10	9
	1969 CROP YEAR		14	24	19	20	23
	1968 CROP YEAR		43	28	9	5	15
	1967 CROP YEAR		28	35	9	2	26
GREAT NORTHERN	1970 CROP YEAR		91	9			
	1969 CROP YEAR		98	2			
	1968 CROP YEAR		97	1	2		
	1967 CROP YEAR		94	5	1		
DARK & LIGHT RED KIDNEY	1970 CROP YEAR	1	79	20		1	
	1969 CROP YEAR		68	28	3		
	1968 CROP YEAR	2	94	4			
	1967 CROP YEAR		73	27			
BABY LIMA	1970 CROP YEAR		78	5	3	2	
	1969 CROP YEAR		58	12	6	12	
	1968 CROP YEAR		48	12	7	12	
	1967 CROP YEAR		70	20	10		
LARGE LIMA	1970 CROP YEAR		73	9		1	
	1969 CROP YEAR		73	15		9	
PEA BEANS	1970 CROP YEAR	3	97				
	1969 CROP YEAR	1	99				
	1968 CROP YEAR	4	96				
	1967 CROP YEAR	25	66	9			
PINK BEANS	1970 CROP YEAR		80	12	4	4	
	1969 CROP YEAR		56	25	9	9	
	1968 CROP YEAR		80	17	1	2	
	1967 CROP YEAR		71	15	6	8	
SMALL RED	1970 CROP YEAR		65	23	7	5	
	1969 CROP YEAR		79	15	3	3	
	1968 CROP YEAR	1	55	36	5	3	
	1967 CROP YEAR	5	78	15		2	
BLACK TURTLE	1970 CROP YEAR		98	2			
	1969 CROP YEAR		96	4			
PINTO	1970 CROP YEAR		92	4	2	2	
	1969 CROP YEAR		89	5		2	
	1968 CROP YEAR	4	89	5	1	1	
	1967 CROP YEAR		94	4	2		

SEE FOOTNOTE PAGE 72

DRY EDIBLE BEANS. IN 1970 THE QUALITY OF THE CROP WAS GENERALLY IMPROVED FROM THE PREVIOUS YEAR. PINTOS, PINKS, BABY LIMAS, LARGE LIMAS, RED KIDNEYS, AND BLACKEYES SHOW A HIGHER PROPORTION OF U.S. NO. 1 OR BETTER THIS YEAR. GREAT NORTHERNS AND SMALL REDS SHOWED A SMALLER PROPORTION OF U.S. NO. 1 OR BETTER THAN LAST YEAR. OTHER CLASSES WERE OF APPROXIMATELY THE SAME QUALITY AS THE PREVIOUS YEAR.

DRY EDIBLE PEA INSPECTIONS: PERCENTAGE
DISTRIBUTION OF NUMBER OF INSPECTION BY GRADE
AND CLASS, 9 WEEKS DURING AND FOLLOWING HARVEST

	1970 CROP			YELLOW		
	GREEN			NO. 1	NO. 2	NO. 3
INSPECTIONS	NO. 1	NO. 2	NO. 3	SAMPLE GRADE		
	145	377	495	49	108	94
% OF 1970 CROP	7	18	24	10	23	19
% OF 1969 CROP	65	19	8	80	12	4
% OF 1968 CROP	32	25	21	36	23	20
% OF 1967 CROP	42	22	15	46	23	14
% OF 1966 CROP	45	24	17	55	23	10
AVERAGE 1966-1969	40	24	17	46	23	14
						17

DRY EDIBLE PEAS. THE QUALITY OF THE 1970 CROP WAS LOWER THAN IT HAD BEEN THE PAST FIVE YEARS. HOWEVER, IN MOST INSTANCES THE DOWN GRADING FACTOR WAS PERCENTAGE BLEACH.